

App. F. IX-4

Previous References.

(1943.
War)

File No. 103-43

Serial Nos. 1-12

Later References.

92

GENERAL AND REVENUE SECRETARIAT

Serial Nos.

Twelve only

Part B for June 45

SUBJECT

AR in Factor es

P. Mangaraj
20.7.45



From 1. In Aug to 14th 66 at Bristol.
F.3 (18) 42/44 d 14" Sep R.43 for a c/w
all recommendations all Govt. orders for A.R.P.
measures & for procuring in respect all
Sub. Parallel Factory (2) Chemical & Explosives
as (3) Bhadrachal the two works are recently let
Nagpur action may be better to implement the
recommendations.

It is seen that Mr. Reid Supply Fire Arm
Vishal & factory at the request of the Govt. Dr
has. Concerns, in July 1943. If approved this
will be sent to the R.C. for Nagpur action
Subs prepared.

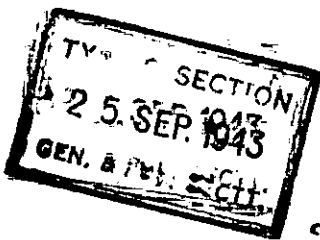
(PS)
16/9

✓ This is in respect of A.R.P.
Copies of the Notes made sent to
Govt. Director I.C. & the P.M. Bhadrachal
works for info. & necessary action

16/9
S. Singh

3. Yes - and then send the file
to the Dev Sect⁺ for note & return.

110
23/9/43
L



(PS)
21/9

4. Info with a result

5) For info

Issued no. W.651-52. Encls 2 each dated
27th Sept 43 to the Gen. M. Iron works &
Govt. Dir. of Ind. Concerns

A R L in Factoris 233 ✓

61 + CBr for Kist Noh & r. shun

28
27/9

Mean -
10.11.
m. 1.11. +
7 to 10.11.
Pl. 2.11. 10.11.
27/9

4 | Lohd for Kist
28/9

Der 28/9

28/9 10.11.

8) 14/11 10.11.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

From Secy to Resident
No F 3(18) - 42/w of 4-10-43
forward copy of memorandum
from the Govt of India
for fire precautions at
the Govt. Textile Factory
for necessary action.

From

2

G. M. From workers
No C 2139 of 7/10/43
states that necessary action
is being taken on the
several recommendations.
Subd. The previous
papers were sent to
J. C. B. for note on
27/9/43. This ^{will} be
sent to that B. for
putting up the papers.

SC
11/10/43.

to be
11/10

Mr H. N.
The Secy to the Govt.
17/10

SECRET
(This is before the Secy & will
be sent on receipt, to the Secy)

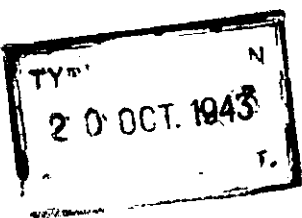
12/10

12 Under Secy (W)

13/10/43

13 Copy of the Resident's letter

may be sent to the Secy to the Govt.



Added with a draft to the Govt. Secy

3). 22/10

Letter W 812 of 21st October 1943 to the Govt. Secy.
has been sent

ARL in 'Lachon's

V) This will also be sent to Dr. Holt for note as
shown in the previous papers.

AS
2611
4

Mr
CBS
25/7

(para 3)
17) War Section The connected file has not yet
returned. On receipt of the same the papers
relating to War Section will be returned.

Auto General Auto 26

7/11

5/11/47

8/5

5/4/47

Wm King

7/11-47

Mr. 7.6 pl note
for no date
file of War
Sec - 7/11
10/11

exp
mha

8/11

10/11

11642
4.

From The Army to the War Office at Reims
No F.3 (18) 42/43 d 6 Nov. 43 for info only
of the War Office letter of 19 Oct. 43 and requesting
that necessary action may be taken to implement
these recommendations.

18) Sub for personal with a draft to the
York Dr in continuation. The Main file was sent
to the War Office on 27/9 for Note and return.
After issue this will be sent to War Office in continuation.

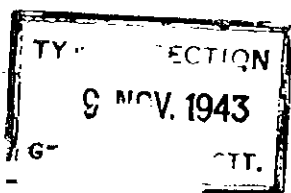
AS
5. 9/11
5/11

940
Used HHS/4 d 15 Nov. 43 to the York Dr for info.

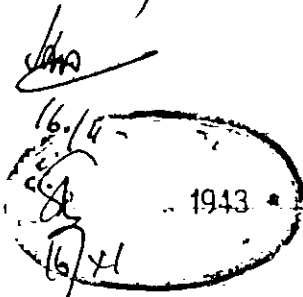
20) 1 VC Br for Note and return. This may
be of use returned with the Main file.

x division letter
5/11

AS
15/11
5/11
Mr 4/11
16/11



21) Letter for personal before return



DEC 8/11

20/11/43

22) 16/11
↓

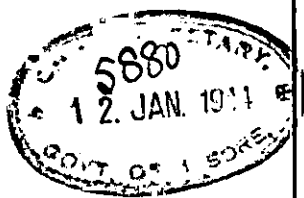
When return)

From The Army to the War Office at Reims
F.3 (18) 42/43 d 3 Nov. 43. 21. Trial of Pump for
cable factors in the SSB and requesting the York Dr.
Consider whether to require or recommend the factors
to provide the equipment.

23) The factors referred to are the following:-

AKL in Factories.

- (1) The Mysor Spg & Mfg Co Ltd.
 - (2) The Minerva Mills Ltd
 - (3) The Balan C.W & Silk Mills - Belon City
 - (4) " " Hebbal Band
- The Fire officer Mr J.R. Reid. during his visit in Nov. 443. has recommended one trailer pump of 500 gallon per minute capacity to 1 & 2 Factories. 250 gallon to 4 Factory



In view of the altered situation it got a brief with the govt to consider whether the factories do require the major fire equipment now. Perhaps a C.I. of Factories may be consulted as to whether the factories have to be recommended for Trailer pumps in the circumstances above. Subd for perusal & orders.

AS
11/1

21/1/44

24 The D. S. B. through Court in the first instance

11/1

11/1/44

Shri, 12/7

M. Edn)

11/1/44

26/1/44

21/1/44

Forwarded in the Contd. of the letter to the District Engineer & Police in Mysor for perusal & remarks.

26/1/44

2 Shri of C.S. & S. for

17104

U.O. No. 153
d 24/1/44

1871/1/44
4438

28

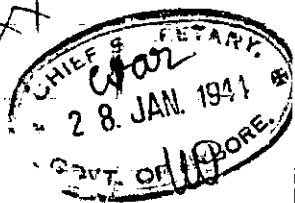
Returned with compliments to the Chief Secretary to the Government of Mysore, Bangalore.

(i) The individual intimations about the "Policy regarding Factory A.R.P." received from the Chief Adviser, Factory A.R.P., Government of India, with his letter No. A.R.P.11-9(1)A Secret, dated 23-11-43, have been forwarded to the concerned factories by the ArR.P. Officer, Bangalore City, for necessary action.

ii) As regards the arrangements against fire-risks, suggested by the Superintending Fire Officer, Government of India, in his notes enclosed to the file, kind reference is invited to Para 6 of the note "Revision of Policy regarding Factory A.R.P." enclosed to Secret letter No.ARP.1-7 Government of India, Department of Labour, dated 23-11-1943 which is extracted below for ready reference.

"In view of the abnormal fire risks which exist in factories working at high pressure under war conditions, it is felt to be inadvisable to completely disband the fire-fighting services which have been provided as an A.R.P. measure. In particular, the trailer pumps and the personnel to operate them should be retained for the present. The details of the organisation considered necessary are under consideration and a separate letter will be issued shortly on this matter."

iii) It may be seen therefrom, that the Chief Adviser, Factory A.R.P., Government of India, considers that the fire-fighting arrangements undertaken as an A.R.P. Measure should be continued against fire-risks even in factories situated in the "WHITE AREA", though the general A.R.P. measures are directed to be discontinued and that further instructions about the details of the organisation would be issued.



ARL in Factories

1642

12) The adoption of the suggestions made by the Superintending Fire Officer, Government of India, regarding the fire-fighting arrangements to be undertaken by the factories indicated by him, appears to be desirable in the interest of security against fire-risks and the concerned factories may therefore be instructed to adopt the suggestions and purchase the equipments required to complete the arrangements. If any modifications are suggested later on, by the Chief Adviser, Factory A.R.P., in the details of the Organisation proposed to be issued by him, they may be followed by the factories.

13) The Chief Inspector and the A.R.P. Controller of Factories in the State, may perhaps be consulted in the matter.

S. N. Vasudevan

27-1-1944.

Inspector General of Police.

W

29) For rendered with complimentary letter to the Chief Inspector of Factories for issue of instructions.

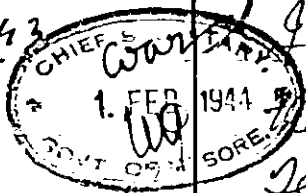
Indubhatkumar
29/1/44
2 Chief Secy & Secy
B - No 116-437/44
Returned with acknowledgments.

*u.O.No. 157
229/1*

XX

116/42-43

29.1.44



*12.1.44
Chief Secy. 159/44*

I agree with the D.G. of Police in considering that it is necessary to continue the fire fighting service in the factories. The proposals of the Fire Superintending Fire-fighting officer, will be attended to when received.

M. P. N. Chaudhary
Dr. P.
20/1

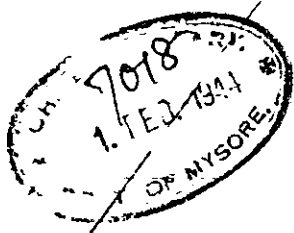
1642

File No.
Current No.

A.R. 1 in Factories

of

Page.



31) It seems better that the firms
are also consulted as they have
to pay for the equipment. The
b. & 2 factories may consult
them also & report

thing to do

32) Yes.

W.P.

3/2/44

Min, EdM)

33) 3/2

W.P. 4/2/44

34)

Forwards with copy to the C of Factories for forwarding
Narsingaiah as report

Indendent at the

To Chief Secy to Govt

37.11.44.

4894

U.O. No. 161

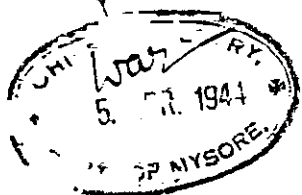
d 4/2

Write to the 4 factories
mentioned &
ask them to
report to the
Min, EdM

Un-official File No 120/43

dated 4/2/44

W.P. 4/2/44



Returned with compliments.

35)

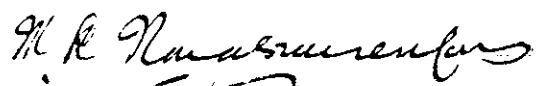
The following factories specified overleaf which are
classified ones, were consulted in the matter and their
reply is given against each concern:-

P.T.O.

- | | |
|--|---|
| 1. The Mysore Spinning and Manufacturing Co., Ltd., | They will continue the equipment provided, Government of Mysore:-
a) Supply the Trailer Pump,
b) they agree to supply the necessary petrol for weekly practice, and
c) they will issue a certificate that the expenditure incurred for Trailer Pump and construction of static water tank will be allowed as of revenue nature for purpose of income-tax, super-tax and excess profit tax, if any as these were allowed by the Government of Bombay in case of Bombay Mills. |
| 2. The Minerva Mills, Ltd., | |
| 3. The Bangalore Cotton, Woollen and Silk Mills, Ltd., | They agree to retain the equipment and fire brigade with trailer pumps but disbanding the stirrup pump gangs. |

As regards the other classified factories, the Superintending Fire Officer has stated that there is no need for maintaining trailer pumps and no further action is necessary.

The Mysore Spinning and Manufacturing Co., Ltd., and the Minerva Mills, Ltd., have put in certain conditions which may not be possible to be agreed to. As it is to their own safety they have to make their own arrangements for getting the equipment and petrol etc.,


 Director of Industries and Commerce
 in Mysore, Bangalore.

4/4

The Chief Secretary
to the Government of Mysore,
Bangalore.

25) The Fin officer. Govt of Mysore recommends
 one trailer pump of 500 gallons capacity
 to the Mysore Spinning & Mfg Co Ltd. Minerva
 Mills and 250 gallons for water supply
 to the B. CW & Mfg Co Ltd. H. H. B. B. B.

1642
W
AFH in Facilities

In view of the reduction in the air raid risks
 it felt a factor would then go to consider
 whether to require or recommend these factors
 to provide this equipment. If this goes
 decide that pumps be provided they desire the govt
 to make a firm demand on them. The Regy
 letter is with regard only to trailer pumps & not
 or is not in general equipment.
 It was not related to a conference on
 existing equipment. The C of Factors to not
 give his ~~not given~~ his definite opinion whether
 the factors need a trailer pump recommended
 by the factor. The other factor in view of
 the reduction in the air raid risks. From a reply
 received from the factors it may be observed that
 the factors are not very anxious to have an
 additional trailer pump as they want certain
 facilities if they get one. As such a firm
 demand for a trailer pump seems to be
 unnecessary, in view of the replies received from the
 factors and even if one is placed, it is still in the
 Regy letter that regard will have to be paid to the
 prior needs of factors in a certain way.
 As to for proposed and orders.

U. O. No. W 142
 of 6.4.44.

(AS)
 514
 Sec.

37) Forwarded with complete
 to the Chief Inspector & Factor
 for opinion of his definite
 opinion on relevant the point

W) $\frac{164}{164}$

A rubbing may be sent



in view of the changed
condition, the matter may
rest for the present.



Henry Ford

[Signature]

1574

42)

$$M = \sum d^m$$

AM in 1x5

h-

2/2

WA

19/11/11

2

Office C. -
FC. F. C. A. H.
Date..... 20/4/64
6853
No.....
OFFICE OF THE MINISTER
FOR INDUSTRIES & SUPPLIES
APR 24 1944
No. 6496

~~SECRET~~

64)

The reduction in air raid risks ref

to in the ~~Res~~ Residency letter of January May

Makes the need for major fire equipment less

but it is ~~to all to~~ ^{to all to} the good of the

Factors to provide the fire equipment recommend

As the ordinary risk is admittedly high consideration

the ~~the~~ Combustible nature of the materials &

the extent of non-fire resisting bldgs in the

Cases of 3 girls Mills - After all, the

total quantity of fire-fighting equipment in

Our ~~is~~ Congested City is not large. + the
growing

present ~~is a~~ ~~good~~ opportunity ^{of scanning} ~~to get~~ some

valuable gift. I think he missed

— especially in view of developments in the East

Us man to examine the ~~the~~ ~~fact~~ ~~is~~

1642/W
 Concerned to provide themselves with the
 equipment recommended, and request the
 Civil Defence Branch of the Defence Dept to
 assist ~~them~~ in securing the same

1642



WAS
 WA
 1/5/44

MA
 29/4

Min Ed
 & Dewan

WA
 1/5/44

| | |
|---|---------|
| OFFICE OF THE MINISTER
FOR EDUCATION | |
| Date..... | 24/5/44 |
| No..... | 7106 |

WA
 2/5

WA
 4/5/44

WA
 6/5/44

WA) Subd with a draft letter to the C. I. of Factories
 asking him to intimate if the firms are agreeable
 to the above proposal.

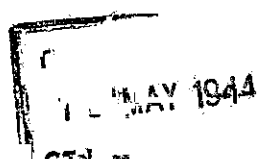
WA
 9.5.44

An administrative reply to the Resy is also put up.

Subd.
 WA
 17/5/44

WA
 17/5

13390.
 MAY 1944



Issued No Pol 2410 d 1944
 to Resy.
 y Memo no W 2679 to C. I. of Factories.

2805
W.

A. R. P. in factories

Continuation Sheet.

File No.
Current No.

of

Page.

12073(18) - 402/W. of 27-5-44
from the B. calling for
information re the factories
requiring for equipment &
details of equipment required
51) The 3 factories are
1) The Mysore Spinning &
Manufacturing Co
2) The Mysore Mills &
cotton,
3) The Bangalore Woollen
& Silk Mills Ltd.
Re index placed as there
a list of equipment
the C.D. of factories may
perhaps be consulted
Served with a memo to
C.D. of factories
see 57 for 2-16
2/6/44

Sing

Issued No. W. 2850 d 3rd June 44 to C.I. of Factories
requesting to furnish the particulars asked for

2805
168/W

A R P in Factories.

Continuation Sheet.

File No.
Current No.

Page.

1

L

From Mys The Mysa Spg & Mys Co Ltd.
Letter of 20th Jan. 44 requesting the Govt not
to insist on factories now at this stage when the
threat of an raid has been removed to acquire
trailer pumps and put up Shale locks at
in a circumstances Shale.

(5th) The Reg in their letter of 3rd Jan. 44
forwarded a copy of the recommendations of the
Joint of India for A R P measures in certain
factories and desired the Govt to consider
whether to require or recommend a following
factories to provide Trailer Pumps in view of
retention in an air raid risks.

- (1) The Mysa Spg & Mys Co Ltd.
- (2) The Minerva Mills.
- (3) The B.C.W. & Little Mills.
- (4) Hebbal Branch.

They also added that if this Govt
should decide that pumps be provided at Bangalore
with the on endowment to allocate pumps
on receipt of a firm demand made on them.
though regard will be to be had to a prior
the needs of factories in a certain area.

The C.I. of Factories was consulted in
a meeting. This was invited to a 1st S
Minister's meeting of 29th April 44 before.
A reply was sent to the Reg accordingly
on the 19th May 44. The Reg has since
asked for certain details as to C.I. of Factories
has been addressed and his reply is due.
In the first letter. An Chandrasekhar reports
the Govt not to insist on Factories to acquire
trailer pumps in view of a retention in an
air raid risks.

2805/168/W

For a while

J
K

168

27 JUL 1944
538

OFFICE OF
FOR INDUSTRIES & COMMERCE

JUL 27 1944

No. 795:.....

CHI-601- RY.
25 JUL. 1944
GOVT OF MYSORE.

The Reg wants this fact to consider a requirement
looking into consideration a restriction in the air
void risks. Further the pumps will not be
supplied so matter of routine. The problem
will be given to the rollers over.
The view is that above it is for consideration and
order whether a Reg may be sufficient in kind
that this fact. or reviewing the position, consider
that as further pumps are necessary for a factory
concerns. Subd for parcel loads
with reference.

PS
297
55

Ref no is - 54) A. for order, with previous papers

$$\left. \begin{array}{l} \text{Min } 1 \times S \\ \times \text{Dewan} \end{array} \right\}$$

WM

26/7/44
2

55) I see no reason to alter the views expressed in Para 44 above, which have been approved by the Min. for Edⁿ & the Duran.

मा २७/२

56) I have since discussed this matter with Mr M L Narasimhaiah.

with Mr M & Narayana Rao. The three textile mills in Guwahati have overhead tanks and main hydrants which are connected with these tanks. They are now used mainly for purposes of washing etc. None of them have any real fire-fighting equipment, other than ordinary fire extinguishers.

WD 06260—GPB—500 pads of 100 sheets each—20-3-42.

WD 06260-GPB-500 pads of 100 sheets each-20-3-42

1. When ~~gives~~ of ~~some~~
 are ~~deductible~~ for taxation
 purposes ^{raised by S.N.C.} may be
 Separately ⁰² if
~~separable~~ farmable
 considered.

27/12

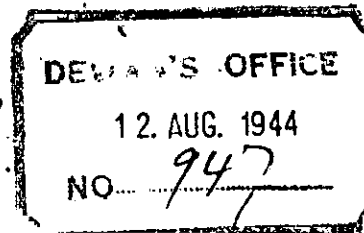
(File handed over to me by the Dewan, with instructions.)

W

29/7/04

137/249
168
W

It would appear to be very beneficial & advantageous to the concerns themselves to purchase trailer pumps which, in the event of an emergency, may be connected to the main hydrants or to static tanks. In the case of Binny Mills & the Mysore Mills, it is not necessary to insist on them to provide themselves with static tanks, in view of the tanks close by, where there is a plentiful supply of water always. The Minerva Mills may have to build one or two static tanks. Two tanks, ^{each} measuring 50' x 20 x 5 & costing about Rs 5000/- each, would provide about 60,000 gallons of water; and the trailer pump could then be connected with this tank, in an emergency. Each set of trailer pump & equipment would cost about Rs 12,000 (Rs 7000 for the pump + Rs 5000 for the equipment, including hose pipe, couplings etc.)



The point for order now is - whether Mr G is suggesting may not insist on these mills to provide ^{more in the interests of the} themselves with the trailer pump & equipment & insist ^{themselves} the Minerva, to provide itself with static tanks; ^{which we hope} ^{that they would nearly} ^{can we "must"} ^{by the way} in addition.

The question whether this ^{expenditure} has to be allowed as an ^{item} deduction of revenue expenditure, for purpose of ^{this question} ^{see note above} taxation, may be considered separately.

Dewan)

Min & S
tho' Dir Secy
& Law Secy

UP 11/8/44
57) nu
15/8/44
58) C-1480

1180
11. AUG 1944

UP 15/8/44

3
14/8/44

Submitted -

The point for consideration is: with ref to para 56 of the notes, viz, whether Govt may not insist on these three mills to provide themselves with the trailer pump & equipment and in the Minerva to provide with static tanks in addition. It appears that though it is in the interest of the factories themselves Govt cannot force them to do so, unless recourse is had to the Defence of India Rules.

Kind ref is invited to Rules 51 (b), dealing with measures for dealing with outbreaks of fire, 51 (c) protection of factories & mines, and 51 (I) dealing with air-raid shelters, and also 51 (K) of the Defence of India Rules.

NK.H.
89.44.
M.H.
89.
As a factory A.R.P. measures we can insist on the ^{owners of} factories to protect their property by equipping themselves with Trailer Pumps etc. This may be done either under Rule 51 B & Rule 51 (c) & h-b-7-9.
Note: //

Law Secretary

3/9/44

11-9-44

11/9

18/9

Law Section

The rules referred to provide for the making of measures essential to the defence of India.

2841
11-9-44

INDUSTRIES & COMMERCE
SEP 12 1944
No. 2219

Wai.
(Please see)

22/9/44

OCT 31 1944

No. 3583

News of the threat of construction
being very recent. A.P. measures
have been suggested & may not
therefore be strictly in order to receive
the mills under the above rule
to submit themselves with the
mills etc.

In
25/10

Shirley

Min R & S
Dewan

WA 31/10/44
2

WA 31/10/44
4. 4. 44.

WA 31/11/44
2

WA 13/11/44

WA 13/11/44
2

DEWAN'S OFFICE

NO. 3088

(To be sent to
the Dewan also
after re my
for Hyderabad)

DEWAN'S OFFICE

9. 10. 1944

NO. 3220

Subs for personal and orders whether of 1948 New
to not let Myra Spg & Myra Ltd who
addressed for in a letter. Perhaps a letter
communication by 1948 to a factor's
that he New not insist on a mill's acquiring
bricks pumps and constructing other works in
of a altered situation.

yes Sir
L
1/11/44

AS 19/11/44
Sent to Chief Insp^r of Factor's No. W. 1015 d 15/11/44

Page.

Issued nos W1902-3 & 14-2-1954 to J.G.P. & C.S. & Farlane

1361
16/11/4

Continuation Sheet.

2919 ARF Factories
File No.
Current No.

of

Page.

From The Secy to the Honble to the Presd

18/11/45 No F. 4845/w 2 8th gr. 45 forwarding a copy of Labour Dept. circular letter 26 April 45 re: disposal of surplus A.R.P. equipment, factories.

Subs forwarded in a draft to the I.S.P. & C.I. of Factories forwarding a copy of the circular letter for information in continuation

In accordance with
L
1-16

RS
12/6
12/6

Letter No. W 2899-900 of 13.15 April 1945 2.4p. 12 and C.I. of Factories forwarding a copy of Labour Department circular letter No. ARP 111/30 of 26.15 April 1945 re revision of policy re: revision of policy regarding factory A.R.P.

Resubd for General

RS
14/6
14/6

L
14/6

WD
23/6/45

10238
1945

5555

25/7

The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

CONFIDENTIAL.

No. F.3(18)-42/W. (3 Re-ces)

7/4
W.

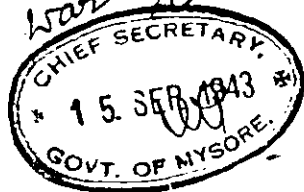
FROM

THE SECRETARY

TO THE HON'BLE THE RESIDENT IN MYSORE.

To

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.



Dated Bangalore, the 14th September 1942.

A.R.P. in Factories.

SIR,

I am directed to forward a copy of the recommendations of the Government of India for A.R.P. measures and fire precautions at the following factories in the Mysore State:-

- (1) Government Porcelain Factory, Bangalore.
- (2) Mysore Chemicals and Fertilizers, Limited.
- (3) Bhadravati Iron and Steel Works.

I am to request that necessary action may kindly be taken to implement these recommendations.

I have the honour to be,
Sir,
Your most obedient servant,

for SECRETARY TO THE RESIDENT.

Cov.

CHEMICALS
THE MYSORE & FERTILISERS LTD, (BANGALORE CITY)

Recommendations on A.R.P. & Fire Precautions.

This factory was visited by Mr. J.R. Reid, Superintending Fire Officer, on 9th July 1943 and the following recommendations are made as a result of his report:-

1. A.R.P. measures generally.- As a result of the revised policy for A.R.P. in factories, there is no necessity to undertake any further work at present in the way of structural precautions, protection of plant, shelters etc. On the other hand, the training and organization of the factory A.R.P. Services and the provision of full equipment should continue, particular attention being paid to the maintenance of full-scale fire precautions.

2. Trailer pump.- The existing 500 g.p.m. Chrysler pump should be adapted as explained on the site by Mr. Reid. The additional items necessary to bring the equipment of the pump up to the standard laid down in Table 10, Column B, page 64 of "A Summary of A.R.P. applied to Factories", 3rd edition, should be obtained as soon as possible. The diffuser nozzle referred to in the list is a convertible spray-to-jet-nozzle obtainable from Messrs. Heatley & Gresham Limited, 4 B, Mission Row, Calcutta, or Forbes Building, Fort, Bombay. Couplings for the suction hose and delivery adaptors converting from screw type to instantaneous are now being fitted. A No.2 foam producing branch pipe with knapsack attachment and a reserve of air foam solution should be obtained to cover the risk in the Power House. This equipment can be ordered through this Office.

3. Delivery hose.- Only 200 rft. of delivery hose was supplied with the pump. The necessary additional 800 rft. will be allocated by this Office on receipt of a firm order placed by the State Government through the Civil Defence Department(Poll). It will be necessary to take into account the prior needs of areas more directly threatened.

4. Trailer pump crew.- A crew of 8 men and a leader were trained some time ago by the Bangalore Cantonment Fire Brigade but since the completion of their training they have not taken part in any further drills or exercises. Mr. Reid gave a plan of an 8 man pump drill to the leader of the crew together with further instructions on training and advised him to start drills and exercises immediately. It will also be necessary to recruit further men, to enable 8 men plus a leader to be on duty for the whole of the 24 hours. This can be done either by employing 16 men plus 2 leaders with sufficient reserves to operate in two 12-hour shifts, or alternatively 12 men plus 2 leaders and so arranging the shifts that only half the men are off duty at any one time, i.e. the working shifts should be 24 hours followed by 12 hours off duty.

5. Static Water.- The 1½" diam. pipe from the 10" main to the 15,000 gallon-water tank should, if possible, be replaced by a pipe of larger diam., say 4" to 6", to enable the tank to be replenished as quickly as it is exhausted.

6. Dispersal of inflammable stores.- It was noticed that a quantity of inflammable materials was stacked against the walls outside the acid filling section. These materials should be removed to a less dangerous position, preferably some distance away from other buildings. All drums containing chemicals, oils etc should be removed from roadways and placed in neat orderly stacks. Drums containing oil should be kept in isolated positions and surrounded by a bund wall of sufficient height to ensure that the total quantity of oil could be retained if released by accident or enemy action. Disused gunny bags at present kept in the Bi-Chromate factory should be removed to a safer position and any bags having no material value should be destroyed.

7. Minor fire prevention equipment.-- The following minor fire prevention equipment should be provided:-

(a) Electrical Laboratory:- 2 buckets of sand against wall between doors.

(b) Workshops.- 2 buckets of sand at entrance.

(c) Carpentry 0 One battery of 2 buckets of water
 Salt Storage 0 and 2 buckets of sand on stand
 Welding Section 0 against wall

(d) Carbide Stores.- 2 buckets of dry sand (water must not be used).

(e) Laboratory and Petrol gas Plant. One battery of 3 buckets of water and 1 of sand on stand.

(f) Cell Plant.- 6 buckets of water against the wall on a stand in main entrance and same at Southern entrance

(g) Power House. 4 buckets of sand in corridor

(h) Ammonia Plant.- One battery of 6 buckets of water and 4 of sand placed just outside entrance. A 40 gallon drum containing sawdust to be kept just inside entrance for the absorption of spilt ammonia.

(j) Sulphate Plant.- 4 buckets of water and 2 of sand at western entrance on a stand. One drum of sawdust to be kept inside building for absorption of leaking ammonia

(k) Acid Plant.- 3 buckets of water near switches for sulphur pit, and 3 buckets of sand, 6 buckets of water Western entrance on stand.

(l) Fuel Yard.- (East side) Two batteries of 6 buckets of water on stand, one placed on either side of coal stack.

(m) Copper Sulphate Plant.- 2 buckets of sand at entrances

(n) S.S. Room First Aid Room:- 2 buckets of water.

(o) Acid Filling Section.- One battery of 6 buckets of water on stand at western entrance. Two batteries of 12 buckets of water on eastern side, one near Sulphur Storage and the other near Sulphate Stores. 6 buckets of water to be placed also at Stores entrance on west side.

(p) Chlorosulphoric Acid Section.- 6 buckets of sand at west entrance. 12 buckets of water near wood and coal fuel stacks, on stand.

(q) Hydrochloric and Nitric Acid Plants.- 6 buckets of water on stand at western entrance

(r) Superphosphate Plant.- 2 buckets of water and 2 of sand to be placed at east and west entrances.

(s) Government Bi-Chromate Factory.- 6 buckets of sand on west side of furnace section. Two buckets of sand and water at Laboratory entrance.

Compressor Room.- 2 buckets of sand

(t) -----.- One battery of 12 buckets of water on stand.

(u) Raw material stores.- 4 buckets of water on stand.

(v)-----

(v) Office Buildings.- 4 buckets of water on stand.

A handwritten signature in cursive script, appearing to read "Henry Smith".

for Chief Adviser, Factory Air Raid Precautions
19/8/1943.

MEQ.19/8.

2 copies
GOVERNMENT PORCELAIN FACTORY, BANGALORE.

Recommendations for fire precautions.

This factory was visited on 14th July 1943 by Mr. J.R. Reid, Superintending Fire Officer, at the request of the Government Director of Industrial Concerns. The following recommendations are based on his report:-

1. Fire Risk.- The only serious fire risk to this factory is in connection with the electrical equipment.

2. Trailer Pump.- It is not necessary to provide a trailer pump. The factory can be covered adequately by the Bangalore City's Fire Service.

3. Static Water.- An adequate supply of water is already available in the process water tanks in the factory compound.

4. Minor fire equipment.- The following minor fire equipment should be provided and distributed in the positions indicated:-

- (a) Electrical Tunnel Kiln Section.- 3 C.T.C. Extinguishers, 1 two-gallon Foam Extinguisher.
- (b) Clay Working Plant Section.- 2 buckets of sand.
- (c) Wood Cube & Dry Grinding Section.- 2 buckets of water, 2 buckets of sand.
- (d) Fuel Yard.- 6 buckets of water.
- (e) Transformer Room.- 3 two-gallon Foam Extinguishers
Transformer Room. (East & West entrances.) 2 buckets of sand each.
- (f) Packing Section.- 4 buckets of water.
Packing Section Ist Floor.- 4 buckets of water, 4 bucket of sand.
- (g) H.V. Laboratory.- 4 buckets of sand.
- (h) Glazing & Coal Kiln Section.- 2 buckets of water, 2 buckets of sand.
- (j) New Slip House.- 2 buckets of sand
- (k) Old Slip House.- 2 buckets of sand.
- (l) Ceramic Laboratory.- 2 buckets of sand.
- (m) Chemical Laboratory.- 2 buckets of water.
1 bucket of sand.
- (n) Office verandah.- 4 buckets of water.

Note.- The C.T.C. Extinguishers required for the Electrical Tunnel Kiln Section are it is understood, available from Messrs. Binny and Company, Madras, but the order should be placed as soon as possible with them, as stocks are low.

Alfred Smith

for Chief Adviser, Factory Air Raid Precautions.
19/8/1943.

2-001-958
MYSORE IRON & STEEL WORKS, BHADRAVATI.

Recommendations for Fire Precautions

This factory was visited by Mr. J.R. Reid, Superintending Fire Officer on 17th - 19th July 1943, and the following recommendations are based on his report.

1. Fire Risk. The fire risk is high in this factory but the 3 trailer pumps (2 large and 1 small) are considered adequate cover. The pumps are in good condition and are supplied with the necessary equipment.

3 convertible spray-to-jet nozzles should be obtained for use in combating Oil or Electrical fires. These are obtainable from Messrs. Heatly & Gresham Ltd., 4 B Mission Row, Calcutta or Forbes Building, Fort, Bombay. In addition, a No. 2 Foam-producing Branch pipe, together with knapsack type container and 50-gallons foam compound should be obtained and held in readiness in combating oil and tar fires.

2. Delivery Hose. 2500 ft. of delivery hose is available.

3. Trailer Pump Crews. The pumps are at present manned by volunteers, but this is not satisfactory. Full-time crews should be recruited and trained. A crew of eight men and a leader is required for each of the large pumps, and a crew of 5 and a leader for the small pump, at any one time.

At least one large pump and preferably all three, should be manned at all times of the day or night and over closed periods. This can be done either by employing (for a large pump) 16 men, including 2 drivers, with 2 leaders and sufficient reserves to operate in two 12-hour shifts, or alternatively 12 men, including 2 drivers, with two leaders and so arranging the shifts that only half the men are off duty at any one time, i.e. the working shifts should be 24 hours followed by 12 hours off duty. The actual hours of work performed by each man would not in normal times exceed about six hours a day. During the rest of his spell of his duty he can rest or take recreation provided he is available to turn out instantly, if called up. The crews of any pumps not fully manned at night should be instructed to report immediately on receipt of a fire alarm or air raid warning at night.

4. Static Water. It is of extreme importance that all static water tanks are kept full. It is recommended that a run-way be constructed to enable a Trailer Pump to draw water from the east side of the static basin ~~situated south of the factory~~ opposite the Foundry; at present no pump can approach the edge of the tank. The capacity of the static basin situated south of the factory near the Power Station should be increased from 5,000 to 10,000 gallons, and an additional tank of 30,000 gallon capacity should be constructed to the north of the Fuel Yard.

5. Hydrants. The hydrant system is satisfactory. In order to standardise fire fighting equipment all hydrant delivery couplings should be converted from screw type to instantaneous.

6. Minor Fire Equipment. The factory is not covered by minor fire equipment at present. The following should be provided:-

- (a) Power house. 4 two-gallon foam extinguishers and 12 buckets of sand.
- (b) Roll Turning Shop. 2 buckets of sand.
- (c) Switch room for Rotary Section. 2 buckets of sand.
- (d) Rolling Mill Switch Gear. 2 buckets of sand.
- (e) Coal Fuel Yard. (East of factory) Battery of 12 buckets of water.
- (f) Electric Furnace Section. 2 buckets of sand.

- 22/8/43
- (g) General Office. (West verandah) Battery of ⁶~~12~~ buckets of water.
 - (h) Laboratory. 1 bucket of water and 1 of sand.
 - (j) General Office. (East verandah) Battery of 6 buckets of water.
 - (k) Drawing Office. 3 buckets of water.
 - (l) General Office. (North verandah) Battery of 6 buckets of water.
 - (m) Store Section. Battery of 6 buckets of sand.
 - (n) Tools and Electrical Stores. 6 buckets of water.
 - (o) Tools and Oil Stores. Battery of 6 buckets of water.
 - (p) Timber Godown. 4 buckets of water.
 - (q) Stores Office. 4 buckets of water.
 - (r) Hardware Stores. 4 buckets of water.
 - (s) Chemical Stores. (East entrance). Battery of 6 buckets of water.
 - (t) Central Power House. 6 buckets of sand.
 - (u) Still House. (Ground floor). 2 buckets of sand.
 - (v) Still House. (First floor). 2 buckets of sand.
 - (w) Outside Tar Still Section. 6 buckets of sand.
 - (x) General Foundry (North). 4 buckets of water.
 - (y) Pattern Shop (West entrance). 4 buckets of water.
 - (z) Pattern Shop (North). 4 buckets of water.
 - (a₁) Pattern Shop (Stores West entrance). 6 buckets of water.
 - (b₁) Machine Shop North. 2 buckets of sand.
 - (c₁) Fuel Yard (Wood) outside factory compound. 12 points consisting of 2 buckets of water and 1 stirrup pump on stand and one 40 gallon drum of water to each, to be placed at end of fire lanes.

7. Stirrup Pump Parties. 24 parties have been trained, allowing 8 parties to be on duty on each shift.

8. Storage of Drums. It was noticed that drums containing oil and Chemicals were left lying obstructing roadways and preventing easy accessibility to various portions of the plant.

Drums containing oil should be stored in an isolated bunded area, the bund wall being of such a height as to enable the total volume of oil to be retained if released. Other drums should be placed in neat and orderly stacks.

9. Combined Fire Precautions Scheme. It is recommended that if possible, a combined scheme of fire precautions should be worked out covering this factory and also the adjoining Cement Works and Paper Mills.

M. S. S. S.

for Chief Adviser, Factory Air Raid Precaution

Dated New Delhi, the 19th August 1943.

Examined by.....

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THE MYSORE CHEMICALS & FERTILISERS-LTD, (BANGALORE CITY).

Recommendations on A.R.P. & Fire Precautions

This factory was visited by Mr. J. R. Reid, Superintending Fire Officer, on 9th July 1943 and the following recommendations are made as a result of his report:-

1. A.R.P. measures generally.- As a result of the revised policy for A.R.P. in factories, there is no necessity to undertake any further work at present in the way of structural precautions, protection of plant, shelters etc. On the other hand, the training and organisation of the factory A.R.P. Services and the provision of full equipment should continue, particular attention being paid to the maintenance of full-scale fire precautions.

2. Trailer pump.- The existing 500 g.p.m. Chrysler pump should be adapted as explained on the site by Mr. Reid. The additional items necessary to bring the equipment of the pump up to the standard laid down in Table 10, Column B, page 64 of "A Summary of A.R.P. applied to Factories", 3rd edition, should be obtained as soon as possible. The diffuser nozzle referred to in the list is a convertible spray-jet nozzle obtainable from Messrs. Heatly & Gresham Limited, 4 B, Mission Row, Calcutta, or Forbes Building, Fort, Bombay. Couplings for the suction hose and delivery adapters converting from screw type to instantaneous are now being fitted. A No. 2 foam producing type branch pipe with knapsack attachment and a reserve of air foam solution should be obtained to cover the risk in the Power House. This equipment can be ordered through this office.

3. Delivery hose.- Only 200 rft. of delivery hose was supplied with the pump. The necessary additional 800 rft. will be allocated by this Office on receipt of a firm order placed by the State Government through the Civil Defence Department (Poll). It will be necessary to take into account the prior needs of areas more directly threatened.

4. Trailer pump crew.- A crew of 8 men and a leader were trained some time ago by the Bangalore Cantonment Fire Brigade but since the completion of their training they have not taken part in any further drills or exercises. Mr. Reid gave a plan of an 8 men pump drill to the leader of the crew together with further instruction on training and advised him to start drills and exercises immediately. It will also be necessary to recruit further men, to enable 2 men plus a leader to be on duty for the whole of the 24 hours. This can be done either by employing 16 men plus 2 leaders with sufficient reserves to operate in two 12-hours shifts, or alternatively 12 men plus 2 leaders and so arranging the shifts that only half the men are off duty at any one time, i.e. the working shifts should be 24 hours followed by 12 hours off duty.

5. Static Water.- The 1½" diam. pipe from the 10" main to the 15,000 gallon water tank should, if possible, be replaced by a pipe of larger diam., say 4" to 6", to enable the tank to be replenished as quickly as it is exhausted.

6. Disposal of inflammable stores.- It was noticed that a quantity of inflammable materials was stacked against the walls outside the acid filling section. These materials should be removed to a less dangerous position, preferably some distance away from other buildings. All drums containing chemicals, oils etc should be removed from roadway and placed in neat orderly stacks. Drums containing oil should be kept in isolated positions and surrounded by a bund wall of sufficient height to ensure that the total quantity of oil could be retained if released by accident or enemy action. Disused gunny bags at present kept in the Bi-Chromate factory should be removed to a safer position and any bags having no material value should be destroyed.

7. Minor fire prevention equipment.- The following minor fire prevention equipment should be provided:-

- (a) Electrical Laboratory.-- 2 buckets of sand against wall between doors.
- (b) Workshops.-- 2 buckets of sand at entrance.
- (c) Carpentry One battery of 2 buckets of water
Salt Storage and 2 buckets of sand on stand
Welding Section against wall.
- (d) Carbide Stores.-- 2 buckets of dry sand (water must not be used).
- (e) Laboratory and Petrol-gas Plant One battery of 2 buckets of water and 1 of sand on stand.
- (f) Cell Plant.-- 6 buckets of water against the wall on a stand in main entrance and same at Southern entrance.
- (g) Power House.-- 4 buckets of sand in corridor.
- (h) Ammonia Plant One battery of 6 buckets of water and 4 of sand placed just outside entrance. A 40-gallon drum containing sawdust to be kept inside entrance for the absorption of spilt ammonia.
- (j) Sulphate Plant.-- 4 buckets of water and 2 of sand at Western entrance on a stand. One drum of sawdust to be kept inside building for absorption of leaking ammonia.
- (k) Acid Plant.-- 3 buckets of water near switches for sulphur pit, and 3 buckets of sand. 6 buckets of water Western entrance on stand.
- (l) Fuel Yard.-- (East side) Two batteries of 6 buckets of water on stand, one placed on either side of coal stack.
- (m) Copper Sulphate Plant.-- 4 buckets of sand at entrance.
- (n) S.S. ROOM FIRST AID ROOM.-- 2 buckets of water.
- (o) Acid Filling Section.-- One battery of 6 buckets of water on stand at western entrance. Two batteries of 12 buckets near Sulphate stores. 6 buckets of water to be placed also at Stores entrance on west side.
- (p) Chlorosulphuric Acid Section.-- 6 buckets of sand at west entrance. 12 buckets of water near wood and coal fuel stacks on stand.
- (q) Hydrochloric and Nitric Acid Plants.-- 6 buckets of water on stand at western entrance.
- (r) Superphosphate Plant.-- 2 buckets of water and 2 of sand to be placed at east and west entrances.
- (s) Government Bi-Chromate Factory.-- 6 buckets of sand on west side of furnace section. Two buckets of sand and water at Laboratory entrance.
Compressor Room.-- 2 buckets of sand.
- (t) Fuel Storage.-- One battery of 12 buckets of water on stand.
- (u) Raw material stores.-- 4 buckets of water on stand.
- (v) Office Buildings.-- 4 buckets of water on stand.

GOVERNMENT PORCELAIN FACTORY, BANGALORE.

Recommendations for fire precautions.

This factory was visited on 14th July 1943 by Mr. J. R. Reid, ~~Superintendent~~ Superintending Fire Officer, at the request of the Government Director of Industrial Concerns. The following recommendations are based on his report:-

1. Fire Risk: The only serious fire risk to this Factory is in connection with the electrical equipment.
2. Trailer Pump: It is not necessary to provide a trailer pump. The Factory can be covered adequately by the Bangalore City's Fire Service.
3. Static Water: An adequate supply of water is already available in the process water tanks in the factory compound.
4. Minor fire equipment: The following minor fire equipment should be provided and distributed in the positions indicated:-
 - (a) Electrical Tunnel Kiln Section: 3 C.T.C. Extinguishers, two two-gallon Foam Extinguisher
 - (b) Clay-Working Plant Section: 2 buckets of sand.
buckets of sand.
 - (d) Fuel Yard: 5 buckets of water.
 - (e) Transformer Room: 3 two-gallon Foam Extinguishers.
Transformer Room (East & West entrances) 2 buckets of sand each.
 - (f) Packing Section: 4 buckets of water.
Packing Section 1st floor: 4 buckets of water, 4 buckets of sand
 - (g) H.V. Laboratory: 4 buckets of sand.
 - (h) Glazing & Coal Kiln Section: 2 buckets of water. 2 buckets of sand
 - (j) New Slip House: 2 buckets of sand
 - (k) Old Slip House: 2 buckets of sand.
 - (l) Ceramic Laboratory: 2 buckets of sand.
 - (m) Chemical Laboratory: 2 buckets of water, 1 bucket of sand.
 - (n) Office Verandah: 4 buckets of water.

Note: The C.T.C. Extinguishers required for the Electrical Tunnel kiln Section are it is understood, available from Messrs. Binny and Company, Madras, but the order should be placed as soon as possible with them, as stocks are low.

"Copy"

MYSORE IRON & STEEL WORKS, BHADRAVATI

Recommendations for Fire Precautions

This factory was visited by Mr. J.R. Reid, Superintending Fire Officer on 17th - 19th July 1943, and the following recommendations are based on his report.

1. Fire Risk. The fire risk is high in this factory but the 3 trailer pumps (2 large and 1 small) are considered adequate cover. The pumps are in good condition and are supplied with the necessary equipment.

3 convertible spray-to-jet nozzles should be obtained for use in combating Oil or Electrical fires. These are obtainable from Messrs. Heatly & Gresham Ltd., 4 B. Mission Row, Calcutta or Forbes Building, Fort, Bombay. In addition, a No.2 Foam-producing Branch pipe, together with knapsack type container and 50-gallons foam compound should be obtained and held in readiness in combating oil and tar fires.

2. Delivery Hose. 2500 ft. of delivery hose is available.

3. Trailer Pump Crews. The pumps are at present manned by volunteers but this is not satisfactory. Full-time crews should be recruited and trained. A crew of eight men and a leader is required for each of the large pumps, and a crew of 5 and a leader for the small pump, at any one time.

At least one large pump and preferably all three, should be manned at all times of the day or night and over closed periods. This can be done either by employing (for a large pump) 16 men, including 2 drivers, with 2 leaders and sufficient reserves to operate in two 12-hour shifts, or alternatively 12 men, including 2 drivers, with two leaders and so arranging the shifts that only half the men are off duty at any one time, i.e., the working shifts should be 24 hours followed by 12 hours off duty. The actual hours of work performed by each man would not in normal times exceed about six hours a day. During the rest of his spell of duty he can rest or take recreation provided he is available to turn out instantly, if called up. The crews of any pumps not fully manned at night should be instructed to report immediately on receipt of a fire alarm or air raid warning at night.

4. Static Water. It is of extreme importance that all static water tanks are kept full. It is recommended that a runway be constructed to enable a Trailer Pump to draw water from the east side of the static basin opposite the Foundry; at present no pump can approach the edge of the tank. The capacity of the static basin situated south of the factory near the Power Station should be increased from 5,000 to 10,000 gallons, and an additional tank of 30,000 gallon capacity should be constructed to the north of the Fuel Yard.

5. Hydrants. The hydrant system is satisfactory. In order to standardise fire fighting equipment all hydrant delivery couplings should be converted from screw type to instantaneous.

6. Minor Fire Equipment. The factory is not covered by the minor fire equipment at present. The following should be provided:-

- (a) Power house. 4 two-gallon foam extinguishers and 12 buckets of sand.
- (b) Roll Turning Shop. 2 buckets of sand.
- (c) Switch room for Rotary Section. 2 buckets of sand.
- (d) Rolling Mill Switch Gear. 2 buckets of sand.
- (e) Coal Fuel Yard. (East of factory) Battery of 12 buckets of water.
- (f) Electric Furnace Section. 2 buckets of sand.

- (g) General Office- (West Verandah) Battery of 6 buckets of water.
- (h) Laboratory. 1 bucket of water and 1 of sand
- (j) General Office. (East Verandah) Battery of 6 buckets of water.
- (k) Drawing Office. 3 Buckets of water.
- (l) General Office. (North Verandah) Battery of 6 buckets of water.
- (m) Store Section. Battery of 6 buckets of ~~water~~ sand.
- n) Tools and Electric Stores. 6 Buckets of water.
- (o) Tools and Oil Stores. Battery of 6 buckets of water.
- (p) Timber Godown. 4 Buckets of water.
- (q) Stores Office. 4 buckets of water
- (r) Hardware stores 4 Buckets of water.
- (s) Chemical stores. (East entrance) Battery of 6 buckets of water.
- (t) Central Power House. 6 buckets of sand.
- (u) Still House. (Ground floor) 2 buckets of sand.
- (v) Still House (First Floor) 2 buckets of sand.
- (w) Outside Tar Still Section. 6 buckets of sand.
- (x) General Foundry. (North) 4 buckets of water.
- (y) Pattern shop. (West Entrance). 4 buckets of water.
- (z) Pattern Shop (North) 4 buckets of water.
- (a) Pattern Shop (Stores West Entrance) 6 buckets of water.
- (b) Machine shop North. 2 buckets of sand..
- (c1) Wheel yard (Wood) outside factory compound. 12 points consisting of 2 buckets of water and 1 stirrup pump on stand and one 40 gallon drum of water to each, to be placed at end of fire lanes.

7. Stirrup pump parties. 24 parties have been trained allowing 8 parties to be on duty on each shift.

8. Storage of drums. It was noticed that drums containing oil and chemicals were left lying obstructing roadways and preventing easy accessibility to various portions of the plant.

Drums containing oil should be stored in an isolated bunds area, the bund wall being of such a height as to enable the total volume of oil to be retained if released. Other drums should be placed in neat and orderly stacks.

9. Combined fire precautions Scheme. It is recommended that if possible a combined scheme of fire precautions should be worked out covering this factory and also the adjoining Cement Works and Paper Mills.

For Chief Adviser, Factory Air Raid
Precautions.

Dated, New Delhi, the 19th August 1943.

W 103-43-1 CONFIDENTIAL
No.F.3(18)-42/W. (Case) 876

From

The Secretary to the Hon'ble
the Resident in Mysore.

To

The Chief Secretary to the
Government of His Highness
the Maharaja of Mysore,
Bangalore.

Bangalore, the 4th October 1943.

A.R.P. in Factories.

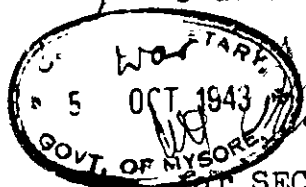
Sir,

In continuation of my letter
No.F.3(18)-42/W, dated the 14th
September 1943, I am directed to
forward a copy of the recommendations
of the Government of India for fire
precautions at the Government
Electric Factory, Bangalore.

I am to request that necessary
action may kindly be taken to
implement the recommendations.

I have the honour to be,
Sir,

Your most obedient servant,



FOR SECRETARY TO THE RESIDENT

Chao

MAP.

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR.

OFFICE OF THE CHIEF ADVISER, FACTORY A.R.P.

GOVERNMENT ELECTRICAL FACTORY, BANGALORE.

Recommendations
for fire precautions:-

This Factory was visited on 13th July, 1943 by Mr. J.R.Reid, Superintending Fire Officer, on request of the Government Director of Industrial Concerns. The following recommendations are based on his report :-

1. Trailer Pump.- The following equipment should be obtained so that the trailer pump may be brought up to full efficiency. -

- (i) 800 running ft. of 2½" or 2¾" delivery hose,
- (ii) 1 Dividing Breeching,
- (iii) 1 Collecting Breeching,
- (iv) 1 Three-way suction collecting head,
- (v) 2 Brass branch pipes,
- (vi) 1 5/8" nozzle,
- (vii) 1 ¾" nozzle,
- (viii) 1 Instantaneous "spray to jet" nozzle,
- (ix) 1 Felling Axe, and
- (x) 1 30' extension ladder.

The extra hose will be supplied subject to the fulfilment of more urgent requirements, by this office on receipt of a firm demand placed by the State Government through the Civil Defence Department.(Poll).

-- 2. Trailer Pump Personnel.- Sufficient personnel should be recruited and trained to enable the trailer pump to be manned at all times including closed periods. Two arrangements for this are possible:-

- (i) 16 men, including 2 leaders and 2 drivers plus 2 reserves may be provided, to do duty alternately in two 12-hour shifts.
- (ii) 12 trained resident full-time firemen (including 2 leaders and 2 drivers) may be provided. In this case living accommodation and reasonable amenities would have to be provided for the crew close to their station; and duty would be arranged in relays of 24 hours on duty followed by 12 hours off duty or alternatively 48 hours on duty followed by 24 hours off duty. The actual hours of work performed by each man would not in normal times exceed about 8½ hours-a day; during the rest of his spell of duty he can rest or take recreation provided he is available to turn out instantly if called upon.

It is suggested that Mr. ^{W.}Robinson, Chief Fire Officer, Bangalore Cantonment Fire Brigade, should be approached for assistance in training.

3. Static Water.- It is of utmost importance that the 20,000 gallon static water tank should always be maintained at its highest level.

4. Minor Fire Equipment.- The following additional minor fire equipment should be provided and distributed in the following positions:-

- (a) General Office (on landing of stairs) ... 4 buckets of water.
- (b) Bakelite Powder Stores(entrance) ... 6 buckets of water.
- (c) Electrical Laboratory ... 3 buckets of water.

- | | | |
|-----|----------------------|--|
| | | 3 buckets of sand
and 2 two-gallon
foam extinguishers. |
| (d) | Oil Filter Room: ... | 3 buckets of sand
and 2 two-gallon
foam extinguishers. |
| (e) | Machine Shop. ... | 3 Buckets of sand. |
| (f) | Power House. ... | 3 Buckets of sand. |

5. General. - Fire buckets, whether containing water or sand, should be kept in good condition and always full. Missing buckets should be immediately replaced and refilled. Where there are groups of fire buckets which are known as "fire points" they should be clearly marked by means of wooden board be numbered and painted thus "F.P.2" etc.

FP
2

Coal Fuel at present stacked adjacent to the Factory buildings should be moved away and restacked on open land.

Neufeldt

for Chief Adviser, Factory Air Raid Precautions.

THE MYSORE IRON & STEEL WORKS
BHADRAVATI

W 103-43-2

902
W

7th October 1943.

G/

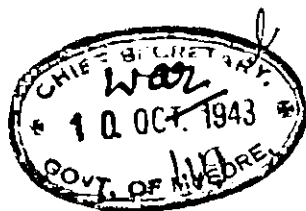
215-1

The Chief Secretary to the Government
of His Highness the Maharaja of Mysore,
BANGALORE.

Dear Sir,

A.R.P. in Factories.

I beg to acknowledge receipt of your letter No.W.651-52 dated 27th September 1943 enclosing a copy of the recommendations of the Government of India for A.R.P. measures and fire precautions received from the Residency. at the Mysore Iron and Steel Works, Bhadravati,/ I am arranging to take necessary action on the several recommendations contained in the note.



Yours faithfully,

M. Narasimham
General Manager.

BN/

1250/W.

THE MYSORE IRON & STEEL WORKS
BHADRAVATI

G/ . . .

19th November 1943.

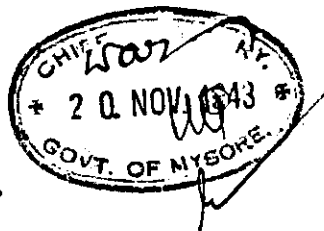
The Chief Secretary to the Government
of His Highness the Maharaja of Mysore,
BANGALORE.

Dear Sir,

A.R.P. in Factories.

Further to my letter No.G/2139 dated 7th October 1943, I beg to report for information of Government that Mr. J. R. Reid, Superintending Fire Officer, New Delhi, again visited Bhadravati on the 15th instant and inspected the progress of Fire Precautionary Measures - done at the Works on the recommendations made by him during his last visit in July 1943. I beg to enclose for information a note on the progress made since his last visit and his further suggestions, which are receiving my attention.

Mr. Reid left Bhadravati on the 16th night.



Encl: Note.

Yours faithfully,

W. R. Reid
General Manager.

The Mysore Iron and Steel Works, Bhadravati.

Note on the visit of Mr. J. R. Reid, Superintending Fire Officer
New Delhi, to Bhadravati from 15-16th November 1943:-

Mr. J. R. Reid visited this place on 15th instant. He inspected the progress of Fire Precautionary Measures done on the recommendations made by him during his last visit in July. The following points are noted regarding the progress, which were explained to him:-

- | | |
|--|---|
| Item 1 of his Report
re: Purchase of
Nozzles & Branch Pipes. | The materials mentioned in this para
were ordered in September and they
have not been received yet. |
| Item 2 of his Report
re: Delivery hose. | Self-explanatory. |
| Item 3 of his Report
re: organising full-
time trailer pump crew. | Proposals for organising 3 crews of 8 men
each at one crew per shift have been
worked out and are being submitted for
sanction. By this arrangement, at
least one larger trailer pump will be
manned all the 24 hours. |
| Item 4 of his Report
re: approach road to
Static Tank near Pipe
Foundry | This has been done and was shown to
Mr. Reid. |
| ^{and}
Additional Static Tanks
for Woodyard No. | Proposals for constructing additional
Static tanks have also been worked out
as suggested in his Report and these
are being submitted for sanction. |
| Item 5 of his Report
re: Hydrants. | One coupling for attaching to the hydrant
was shown to Mr. Reid. He has approved
of the same and was advised that all the
hydrants be equipped with similar ones. |
| Item 6 of his Report
re: minor Fire Equip-
ments. | The required number of buckets have been
purchased and kept in Stores. All
these buckets have been painted red on
the outside. These have to be filled
up with either sand or water and
distributed to the several places
mentioned in this para. Regarding
installation of other equipment like
Foam equipment extinguishers etc.,
proposals are being submitted. |
| Item 7 of his Report re: Stirrup Pump Parties - | self explanatory. |
| Item 8 of his Report
re: constructing a
bund wall for stocking
oil drums. | Estimate of cost has also been included
in the above mentioned proposals. |

Item 9 of his Report
re: organising combined Fire Brigade for our Works and Paper Mills.

This proposal is under consideration.

Mr. Reid was then shown round the Static Tanks full of water and also the approach roads. He then inspected the part-time Trailer Pump Crew in action. He was not very much satisfied with their work and emphasised the organisation of full-time men for one large Trailer Pump at least to be given effect to immediately. He also suggested that an officer of the works be sent to Bangalore for being trained as "Fire-fighting officer" at the Cantonment Fire Brigade Head-quarters. The period of training, he said, will be about 2 months. He was informed to kindly make necessary arrangements at Bangalore on his return and that an officer would be sent accordingly.

Mr. Reid left on 16th night for Bangalore.

H. S. S. S.
General Manager, &
Controller, A.R.P.
bn 82

Bhadravati,

D/19-11-1943.

BN/

SUBJECT.....

Section *War*

File No. *103-43*

Serial No. *3*.

Diary No. of letter replied to.....*902*

General and Revenue Secretariat

()

the 194

No. *W. 812*.

To

Govt Dr Ind. Concern

ARL in Factory

Sir, In continuation of the letter No 651-52/W d 27th Sep. 43 a C.A. is forwarded an directive to forward

Date of issue.....*21-10-43*

Signed by.....*Mr. SKV*

a copy with recommendations with Govt of India for further proceedings at the Govt Electric Factory Bangalore, and to request that necessary action may be taken to implement the recommendations.

List of enclosures.....

Copied by.....*h. S. K. S. 21/10*

Examined by.....

*I have
J. 20/10
For Chief Secy to Govt*

W 103-43-4
CONFIDENTIAL.

No.F.3(18)-42/W. (Cae) 1115

From

The Secretary to the Hon'ble
the Resident in Mysore. W

To

The Chief Secretary to the
Government of His Highness
the Maharaja of Mysore,
Bangalore.

Bangalore, the 6th November 1943.

A.R.P. in Government
Porcelain Factory, Bangalore.

- - -

Sir,

764
14/11
In continuation of letter from
this Residency No.F.3(18)-42/W, dated
27/9 the 14th September 1943, I am directed
to forward a copy of a letter from the
Government of India, Department of
Labour, No.ARP-II-15(1), dated the
18th/19th October 1943, and to request
that necessary action may kindly be
taken to implement these recommendations.

W. A. I have the honour to be,
Sir,
a Your most obedient servant,

M. A. Channarayana

for SECRETARY TO THE RESIDENT.

h.s.
TAF.

Copy of letter No.ARP-II-15(1), dated the 18th/19th October 1943, from Chief Adviser, Factory, A.R.F., Department of Labour, New Delhi, to M.Seshadri Esq., M.A., Inspector General of Police, Mysore.

Please refer to my recommendations dated 19.8.1943 for fire precautions at the Government Porcelain Factory, Bangalore, which were forwarded to the Hon'ble the Resident in Mysore by the Civil Defence Department on 1st Sept.1943.

After consultation with the Electrical Commissioner with the Government of India it is considered that the number of C.T.C. extinguishers recommended for the Electrical Tunnel Kiln Section should be increased to 6. You should also make what arrangements you can to ensure that these Extinguishers are kept properly charged. It is recognized that even with this increase the fire prevention equipment recommended for this important installation is inadequate, but is considered a justifiable risk in view of the extreme shortage of CO2 and similar fire prevention equipment and their relative remoteness of the factory. Will you kindly inform Mr.Ganapathi Iyer?

SUBJECT.....

Diary No. of letter replied to.....

1115

Section War

File No. 103-43.

Serial No. 5.

General and Revenue Secretariat

()

the 194

Date of issue.....

15-11-43

~~15-11-43~~

Signed by.....

Mr. SKV.

List of enclosures.....

Codied by.....

BAK 15/11/

Examined by.....

No.

W. 940. Enclosure

To

Govt Dy for Concerns
AR in Govt Boarding Factory
Blore

for.

In continuation of this office
letter No 651-52/W & 27 Sept 43
I am directed to send
here for information and necessary
action a copy of my letter
of 6th Nov. 43 and enclosure
on the above subject.

Thurs

In S111

Fathima Begum

The reply to this communication should be addressed to the Secretary to the Resident in Mysore, Bangalore, by designation and not by name.

W-103-43-6 1642/W
No. F.3(18)-42/W (W.A. Lines)

FROM

THE SECRETARY

TO THE HON'BLE THE RESIDENT IN MYSORE

To

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.

Dated Bangalore, the 3rd January, 1944

A.R.F. in factories.

SIR,

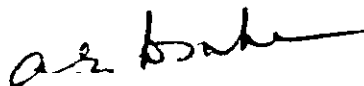
In continuation of the letter from this Residency No. F.3(18)-42/W dated the 14th September 1943, I am directed to forward herewith a copy of the recommendations of the Government of India for A.R.F. measures at the 8 factories in the Mysore State mentioned in the list attached. These factories are now in the White Area and the considerations governing the provision of A.R.F. measures are set out in the Government of India, Labour Department's letter No. ARPI-7 dated the 20th November 1943, copy enclosed.

2. The Government of India point out that in the case of the first 4 factories provision of major fire equipment viz., Trailer pumps and in one case additional hose has been recommended and that in view of the reduction in the air raid risks, it is for the Government of Mysore to consider whether to require or recommend these factories to provide this equipment. Should the Government of Mysore decide that pumps be provided, the Defence Department (Civil Defence Branch) will make an endeavour to allocate trailer pumps on receipt of a firm

cc: Mysore

demand made on them; though regard will have to be had to the prior needs of factories in the eastern area. The same applies to the extra delivery hose. No hose can be provided at present, but it will be supplied if required when the more urgent needs are met.

I have the honour to be,
Sir,
Your most obedient servant,



SECRETARY TO THE RESIDENT.

Ns

List of Factories.

1. The Mysore Spinning and Manufacturing Co. Ltd., Bangalore
2. The Minerva Mills Ltd., Bangalore City.
3. The Bangalore Cotton, Woolen and Silk Mills,
Bangalore City.
4. The Bangalore Cotton Woolen and Silk Mills, Hebbal Branch,
(Late Lingaraj-Hind Mills.)
5. B. K. Subbiah & Sons, 3rd Cross Street, Bangalore City.
6. The Sri Rama Silk Mills Ltd., Bangalore.
7. The Sri Rama Weaving Shed, Shivajinagar, Bangalore City.
8. The Mysore Woollen Manufacturing Co. Ltd., Mysore Road.

125

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR

Name of firm.- The Mysore Spinning & Manufacturing Co. Ltd..
Bangalore City.

Date of visit.- 8th November 1943.

Name of fire Officer.- J.R. Reid, G.I.F.E.

Name of representative S.R. Tombat, General Manager.

1. Fire Risk.- High.

2. Major Fire Services.-

(a) The A B C +D formula is as follows:-

| | | |
|---------------------------------|-----|------------------------|
| A. total floor area. | ... | 2,46,434 sq.ft. |
| B. combustibile materials. | ... | 58,605 " " |
| C. buildings over 50 ft. high. | ... | Nil. |
| D. non-fire resisting buildings | ... | 1,19,963 " " |
| | | <u>4,25,002 sq.ft.</u> |

(b) Trailer Pumps.- Nil. In accordance with the above formula and in view of the high fire risk it is necessary that a Pump of 500 gallon per minute capacity be required by the firm.

(c) Equipment.- Consists of 2 M (30 Numbers) Hydrant hose boxes each containing 100 ft., of delivery hose and one branchpipe and nozzle.

(d) Personnel.- Nil. No Trailer Pump.

(e) Static water.- Consists of a Mill Tank of 2,665,195 gallons situated in the south east corner of the Mills Compound. To be made - accessible for Trailer Pump operations, I recommend that an entry be made large enough to admit a Pump in the north east corner of the fence surrounding the tank, in addition it is necessary that a 20,000 gallon static basin be constructed north east of compound, thus providing a ready supply to cover three rows of Cotton Godowns situated north of mills - compound and also fuel stacks etc..

(f) Trailer Pump House.- Nil. If Pump is acquired, I recommend that it should be housed north east of and adjacent to, Mill Tank, south east of Mills Compound.

(g) Hydrant System.- Consists of 31 instantaneous points (23 single head and 8 double head) fed by a Mather and Platt Steam Pump. Water Supply:- Mill Tank south east of compound. The above system provides good volume and pressure.

(h) Hydrant Parties.- 10 trained. (45 men) consisting of 18 full time A.R.P. men and 27 watchmen.

(i) sprinkler System. - Mather and Platt type, fed by Steam Pump. water supply from Mill Tank south east of compound. Reserve Supply:- 10,000 gallon overhead tank, adequate.

3. Minor Fire services.

(a) The total roof area of all factory buildings is about 2,11,349 sq.ft..

(b) Stirrup Pump Parties.- 6 trained for full time cover of factory 24 hours per day (18 full time A.R.P. men). In addition 33 part time Parties drawn from factory employees are trained (99 men 33 Stirrup Pumps to hand.

(c) Minor fire equipment.- Additional equipment required:-
Carpenters Section.- 2 Buckets of water.

Cotton Godowns, Stores, etc..- (Constructed in three rows) 6 Batteries of 6 buckets of water at points shown by me to the Mills Engineer who - accompanied during my inspection of Mills.

Transformer Room.- 2 Buckets of sand. I suggest that the two entrances to Transformer Room be bunged up to 18 inches to confine Transformer Oil to its particular section, in the event of accident occurring to Transformer through any cause.

General.- Two open wells are situated east of the Mills compound, but can only be used for Trailer Pump operations during the rainy season. Capacity of Tanks during rainy season is about 1,40,000 gallons each.

The above firm are engaged in the manufacture of Tent Cloth, khaki drill, Shirting, Towels etc., for Government 60 percent of Total output by firm, is taken by Government.

Plan attached.

Sd/- J.R. Reid.
SUPERINTENDING FIR OFFICER.
Madras Circle, Coimbatore.

Dated 18th November 1943.

No. 549 DA, dated 26th November 1943.

Countersigned.

Sd/- D.W. Gollan
Deputy Adviser, Factory A. R. P.
Madras Centre, Coimbatore.

Government of India
Department of Labour

Name of Firm.- Minerva Mills Limited, Bangalore City.

Date of Visit. 8th November 1943.

Name of Fire Officer.- J.R.Reid, G.I.F.E.

Name of representative.- Mr. W.X.Pinto, Manager

1. Fire Risk.- High.

2. Major Fire Services.-(a) The A B C D formula is as follows:-

| | | |
|---|------------------------------|------------------------|
| A | Total floor area | 2,44,895 sq.ft. |
| B | Combustible materials | 56,546 " " |
| C | Buildings over 50 ft. high | Nil |
| D | Non-fire resisting buildings | 2,48,527 " " |
| | Total | <u>5,49,968</u> sq.ft. |

(b) Trailer Pumps.- In accordance with the above formula a pump of 500 gallon per minute capacity is required. The firm do not possess a trailer pump. In view of the high fire risk and area of non-fire resisting buildings as given above, it is necessary that a Trailer Pump of 500 gallon per minute capacity be provided.

(c) Equipment.- consists of 24 hydrant hose boxes (one hose box to each hydrant point) containing a total of approximately 4,000 ft. of delivery hose, suitably ~~sited~~ sited in the factory compound, each hose box contain, branchpipes and nozzles (two branchpipes and nozzles for twin hydrant points and one branchpipe and nozzle for single points).

(d) Personnel.- Nil. No trailer pump.

(e) Static Water consists of a tank of 3,00,000 gallons capacity constructed below ground level and situated north of the Mills Compound, adjacent to same and constructed above ground level, one settling tank of about 20,000 gallons, total capacity, suitable for trailer pump operations. As the above water supply is situated at the extreme northern boundary of the Mills, it is necessary that for complete cover of all factory buildings a 20,000 gallon static basin be constructed south west of Spinning Section.

(f) Trailer Pump House.- Nil. If trailer pump is acquired, I suggest that it be housed adjacent to proposed 20,000 gallon static basin south-west of Spinning Section.

(g) Hydrant System. consists of 24 points (instantaneous) 18 Double and 6 single head supplied by Mather and Platt Steam Pump which is fed from the large tank, north of Mills. The above system provides good volume and pressure.

(h) Hydrant Parties.- 24 trained (72 men) including 16 full-time ARP men.

(i) Sprinkler System.- Mather & Platt type, fed by Steam Pump. water supply from 3,00,000 gallon tank north of Mills.
Reserve Supply.- 10,000 gallon overhead tank, adequate.

3. Minor Fire Services.-(a) Total area of all roofs of factory buildings is about 2,61,527 sq.ft.

(b) Stirrup Pump Parties.- 33 trained (99 men) 32 pumps to hand.

(c) Protection.- To be inspected by Mr. Collan.

(c) Minor Fire Equipment.- Additional equipment required is as follows:-

Cotton Godown:- (Nos. 1 to 4) :- A Battery of 6 buckets of water to be placed opposite each centrally

Oil Godown:- 4 buckets of sand.

Fire buckets missing from various sections in the mills should be replaced and should not be used for any other purpose than that of fire.

GENERAL: Wicker baskets stored in Oil Godown should be removed from same.

Two entrances to weaving section group of transformers require bunding up to 18 inches. Transformer Bay below switch room requires bunding across (18 inch)

The above firm are engaged in the manufacture of Standard Cloth, Bandages, Towels, Sheets, Mosquito nets etc., of which 60 per cent is taken by the Government.

Sd/- J.R.Reid.
12-11-43.
Superintending Fire Officer,
Madras Circle Coimbatore.

Dated 12th November 1943.

No.517DA, dated 22/23th November 1943.

Sd/-D.W.Gollan,
23-11-43.
Deputy Adviser, Factory ARP
Madras Centre, Coimbatore.

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR.

Name of firm: BANGALORE WOOLLEN, COTTON AND SILK MILLS COMPANY,
BANGALORE CITY (Binny & Co.).

Date of visit:- 5th November 1943.

Name of Fire Officer: J.R.Reid, G.I.F.E.,

Name of representatives: Mr. Aspell, Manager and
Mr. Kay, Engineer.

1. Fire Risk High. -

2. Major Fire Services: (a) The A B C D formula is as follows:-

| | | |
|---------------------------------|-----|-----------------|
| A. Total floor area | ... | 5,94,061 sq.ft. |
| B. Combustible materials. | ... | 1,00,000 sq.ft. |
| C. Buildings over 50 ft. high. | ... | nil |
| D. Non-fire-resisting buildings | ... | nil. |
| Total | | 6,94,061 sq.ft. |

(b) Trailer Pumps In accordance with the above formula 2 Trailer Pumps are required, one of 500 gallon per minute and one of 150 gallon per minute capacity. The firm possess one Kirlaskar Trailer Pump of 250 gallon per minute capacity. In view of that fact that the factory is situated in a safety zone and that the factory is covered by two good Hydrant Systems with equipment and reserve fixed Centrifugal pumps for operation of same, I am of the opinion that the above trailer pump is adequate for the fire risk.

(c) Equipment. Adequate and includes a total of 4,250 feet of delivery hose in use round the factory and on the Trailer Pump and an additional 2,000 feet in the stores. The manager informed me that about 1,000 feet of the hose in use, required replacing with new hose which meant that he was using up his reserve stock in the Stores, he explained that he would require a further 2,500 feet of hose as it was always the practice of his firm to have about 4,250 feet in use round the factory at hydrant points and hose Boxes and 2,500 feet in reserve, he asked me if I could assist him to obtain additional hose as he was experiencing great difficulty in obtaining same, I explained to him the shortage of hose in the Country and the pressing need of factories in more threatened areas, but told him I would put the matter before the Chief Adviser for his consideration. 10 Hydrant hose boxes are laid out around the factory each containing 100 feet of delivery hose and 1 Branchpipe and nozzle. In addition there are 5 large steel cages situated around the main factory buildings containing a total of about 3,000 feet of hose and various types of fire equipment, 400 feet of delivery hose is carried on the Trailer Pump.

(d) Trailer Pump House:- Nil. Pump is housed in a garage situated West of main factory buildings.

(e) Personnel:- Consists of three teams of 8 men each under an European employed in the factory and who has been trained by Madras Fire Service as a Fire Officer. The factory is thus covered 24 hours per day. The Fire Crews are not full time firemen, but are employed as mill hands and receive regular training/Trailer Pump operations.

(f) Static Water Supplies:- Consists of hundreds of thousand gallons of water flowing in channels, under the main factory building and to which sumps are attached at the end of each building for Pumping purposes. The water is circulated inside the factory buildings for humidifying the air. A group of three over-head tanks with a total of 1,00,000 gallons of water is attached to a reserve hydrant

system. Behind and adjacent to the southern boundary wall of the factory there is a lake containing millions of gallons of water same is used for feeding the mill's hydrant system and can be used for Trailer Pump operations.

(g) Hydrant System:- Consists of 19 single and 23 double headed instantaneous points which derives its pressure from a 500 gallon per minute fixed electrically driven Centrifugal Pump, in addition a second Pump (fixed) can be brought into operation with a capacity of 1,000 gallon/instantaneous couplings attached to its pipe line, is strategically situated near the main buildings, is fed by a 500 gallon per minute Pump, driven by Petrol Engine, the water supply being gained from three overhead tanks with a total capacity of 1,00,000 gallons.

per minute
A reserve
hydrant system containing several single female

(h) Hydrant Parties:- Consists of 100 trained men.

(i) Sprinkler Systems- Is of Mather and Platt design and covers all Buildings of any Fire risk. This system is fed direct from a 8 inch water main from Mysore Water Works and has a varying pressure from 35 to 75 lbs. per square inch which conforms with Fire Insurance Regulations. In the event of the water main failing, a 10,000 gallon overhead tank situated in the factory acts as a reserve for the system.

3. Minor Fire Services. (a) The total area of all roofs of factory buildings is about 5,28,994 square feet.

(b) Stirrup Pump Parties. 82 Parties trained. Number of pumps in hand 250.

(c) Minor Fire Equipment: Adequate and in satisfactory condition throughout mills.

GENERAL: The above firm is engaged in the manufacture of Army Clothing of all description, Army Blankets, Parachutes etc., and is operating on Government orders only. 100 per cent output for Government of India.

12 Europeans are employed in the mills.

Sd/- J.R.Reid

11.11.43.

Superintending Fire Officer,
Madras Circle Coimbatore.

Dated 11th November 1943.

No. 516DA; dated 22nd November 1943.

Countersigned

D.W.Gollan

16.11.43.

Deputy Adviser, Factory A.R.P.
Madras Centre, Coimbatore.

Government of India
Department of Labour

Name of Firm:- Bangalore Cotton Woollen & Silk Mills, Habbel Branch
(Late Kaisari-Hind Mills) Binny & Co. Bangalore District.

Date of Visit:- 9th November 1943.

Name of Fire Officer: J.R.Reid, G.I.F.E.

Name of representative of firm:- T.R.Finn, Officer In Charge

1. Fire Risk:- High.

2. Major Fire Services:- (a) The ABCD formula is as follows:-

| | | |
|--------------|------------------------------|------------------------|
| A | Total floor area | 84,922 sq.ft. |
| B | Combustible materials | 46,041 " " |
| C | Buildings over 50 ft. high | nil |
| D | Non-fire resisting buildings | 84,922 " " |
| <i>Total</i> | | <u>2,15,685</u> sq.ft. |

(b) Trailer pump:- in accordance with the above formula a pump of 250 g.p.m. capacity is required. The firm do not possess a trailer pump. I recommend that same be acquired.

(c) Equipment consists of one large Hose Cage situated centrally in factory and containing twelve fifty foot lengths of delivery hose (600 ft) and an adequate number of Branchpipes and nozzles.

(d) Personnel:- Nil. No Trailer Pump.

(e) Static water consists of

- One 13,000 gallon water situated south of Mills.
- one 13,000 gallon tank situated in centre of Mills
- one 12,000 gallon tank situated north of Silk and Dye Shed, at present this tank is empty due to leakage of same.
- one 12,000 gallon tank west of Milling Shed, and
- one 13,000 gallon Storage tank used for Hydrant supply situated in centre of factory.

I recommend that the 13,000 gallon tank south of factory should have a 4 ft. Sump constructed at ground level adjacent to it and a delivery pipe led from main tank to sump with valve attached to enable the supply of water to be used by Trailer Pump. The 12,000 gallon tank north of Silk and Dye Shed, should be repaired and filled.

(f) Trailer Pump House:- Nil. Should be housed adjacent to Static tank north of Silk and Dye Shed.

(g) Hydrant System: consists of 15 points (instantaneous) fed by Mather & Platt Steam Pump installed by Binny & Co. when they took over the above Mills from Kaisari-Hind in 1939, originally the hydrant system was fed by gravitation from a storage tank situated in centre of factory which was of little use for fire fighting. The present system assures adequate volume and pressure.

(h) Hydrant Parties:- 11 parties trained (33 men). Drills are carried out and recorded once per week.

(i) Sprinkler System:- Nil.

3. Minor Fire Services:- (a) Total area of roofs of factory buildings is about 84,922 sq.ft

(b) Stirrup Pump Parties:- 11 trained (33 men full time watchmen) 27 stirrup pumps to hand

(x) ~~Protection~~ ~~to be~~ ~~inspected~~ ~~by~~ ~~Gollan~~.

(c) Minor Fire Equipment:- Satisfactory and consists of 30 buckets of sand, 200 buckets of water and 30 incendiary bomb sets.

(d) Oil & Fuel Risk:- Negligible.

General:- The above factory was taken over by Binny & Co. in 1939 to increase turnout for Government. Military Blankets only, are being manufactured and the 100 per cent. output is taken by the Government. The above firm were engaged in the manufacture of silk for Government, but on completion of their contract, no further order were given, consequently, all sections of the Mills constructed for Silk process have been closed down.

Sd/- J.R. Reid.
Superintending Fire Officer,
Madras Circle, Coimbatore.

Dated 18th November 1943.

No.550DA, dated 26th November 1943.

Countersigned.

Sd/ D.W. Gollan
26-11-43.
Deputy Adviser, Factory A.H.P.
Madras Centre, Coimbatore.

Government of India
Department of Labour

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Name of firm: B.K. SUBBIAH AND SONS, SOURASHPET,
BANGALORE CITY.

Date of visit: 11th November, 1943.

Name of Fire Officer: J.R.Reid, A.I.F.E.,

Name of representative of firm: S.R. Iyengar, Office
Manager

1. The above factory is very small having a floor and roof area of approximately 8,500 sq. ft. In view of this fact, no Trailer Pump or Major Fire Equipment is necessary.

2. As the factory has no minor fire equipment, I recommend that the following should be installed:-

Spinning Section :- One battery of 6 buckets of
water

Wrapping Section:- 2 Buckets of water

Carving Section:- 2 Buckets of water.

Mixing Section:- 6 Buckets of water.

I suggest that two stirrup pump parties should be trained to operate, and give cover to factory 24 hours per day. Two Stirrup Pumps should be acquired and one on hand.

3. The firm are engaged in the manufacture of Military Blankets and the whole of their output is taken by the Government.

I suggested to the manager, that he should place a large card above the telephone in the factory with the word FIRE BRIGADE and its telephone number in large print thereon, so that there would be no delay in summoning the City Fire Brigade in the event of fire occurring in his factory.

4. Hydrant and Sprinkler Systems:- Nil

5. Static Water: Nil.

Sd/- J.R.Reid.
Superintending Fire Officer, Madras Circle,
Coimbatore.

Dated, 18th November 1943.

No.552 DA, dated 26th November 1943.

Countersigned.

Dy. Adviser, Factory A.R.P.,
Madras Centre, Coimbatore.

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR.

Name of firm. Sri Rama Silk Mills Ltd., Bangalore City
Date of visit 11th November 1943.
Name of Fire Officer. J.R. Reid, G.I.P.E.,
Name of Representative
Interviewed. - H.G. Naick, Managing Director.

1. The above factory covers a small area having a roof and floor area of approximately 15,305 sq.ft., all of which are non-fire-resisting with the exception of weaving Department of 3,000 square feet area. The fire risk is ~~negligible~~ negligible. The firm do not possess any Major Fire Equipment and I am of the opinion that same is unnecessary. I advised the Manager to have placed above his exchange telephone, a card bearing the word "FIRE BRIGADE" and its telephone number thereon, in large print to enable instant contact to be made with the City Fire Brigade.

2. West of the above factory in an adjacent compound, three wells with a total capacity of about 35,000 gallons are available for Trailer Pump - operations to cover factory in the event of fire, I informed Chief Fire Officer Reddi, of Bangalore City Brigade of their locality.

3. With regard to minor equipment, two Soda Acid tow gallon type extinguishers, complete with compound for charging same, had been purchased by the firm who owing to their lack of knowledge of such appliances, were unable to make same ready for use. I charged both extinguishers and located one at the entrance to the Carpentry Section and the other in the entrance leading to the Offices Stores and Throwing Department. Additional minor equipment required is as follows:-

Silk Stores.- 2 buckets of water.

Carpentry Stores.- 2 buckets of water.

Winding Department.- 2 Buckets of water.

Throwing Deptt(A).- 2 Buckets of water and 1 Bucket of sand

-do- -do(B)- 2 Buckets of water and 1 bucket of sand

Boiler House.- 2 Buckets of water.

Weaving Deptt.- 4 Buckets of water.

Finishing and Stores Department.- 2 Buckets of water and 1 Bucket of sand

The firm have no stirrup Pumps to hand, consequently no trained parties. I suggest at least two stirrup Pumps be acquired and parties trained to cover the factory by night and day. The watchmen should be suitable for this task.

4. Sprinkler and Hydrant Systems.- Nil.

5. The firm have completed their Government contracts which was 12 per cent of their output. No further Government work is hand at present. The firm were engaged in manufacturing, Sewing threads, Parachutes and bonding material for the Government.

Sd/- J.R. Reid.
Superintending Fire Officer, Madras Circle,
COIMBATORE.

Dated 18th Nov. 1943.

.-2-

No.542 DA, dated the 25th November 1943

Countersigned.

Sd/- D.W. Gollan.
Deputy Adviser, Factory Air Raid Precautions,
Madras ~~Circle~~ Centre, Coimbatore.

Government of India
Department of Labour

Name of firm: SRI RAMA WEAVING SHED, SHANKAPURAM, BANGALORE CITY

Date of visit: 11th November, 1943.

Name of Fire Officer: J.R.Reid, G.I.F.E.,

Name of representative of firm: R.S. Moni, Manager.

1. The above factory is very small, having a floor and roof area of approximately 6,500 sq. ft. In view of this fact no Trailer Pump or Minor Fire Equipment is necessary.

2. As the factory is not covered by minor fire equipment I recommend that the following should be installed:-

| | |
|------------------------|---------------------|
| Preparation Section:-- | 4 Buckets of water. |
| Carpentary Section. | 2 Buckets of water. |
| Weaving Section:-- | 6 Buckets of water. |

I suggest that two Stirrup Pump Parties should be trained to operate and give cover to factory 24 hours per day. Two Stirrup Pumps should be acquired. None to hand.

3. The firm have completed all Government contracts and are no longer doing Government work. They were engaged in manufacturing Silk Fabrics of which 40 per cent of their output, went to Government. I recommended to the Manager that a notice should be placed above his telephone, with the word FIRE-BRIGADE and its telephone number in large print thereon, this would enable quick contact with the City Fire Brigade in the event of an incident occurring in the factory.

4. Hydrant and Sprinkler System: Nil

5. Static Water: Consist of a 600 gallon capacity tank situated in Dye House, west of factory.

Sd/- J.R.Reid.
Superintending Fire Officer
Madras Circle, Coimbatore.

Dated 18th November, 1943.

No.551 DA, dated the 26th November, 1943.

Countersigend.

Sd/- D.W.Gollan
26.11.43.
Deput. Adviser, Factory A.R.P., Madras Centre,
Coimbatore.

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR.

Name of firm: MYSORE CHROME TANNING COMPANY LIMITED, MYSORE ROAD,
BANGALORE DISTRICT.

Date of visit: 12th November, 1943.

Name of fire Officer: J.R. Reid, G.I.F.E.

Name of representative of firm: P.C. Lingam, Manager.

1. The above factory is small in area, having a floor area of approximately 36,500 sq.ft. and roof area of 35,000 sq.ft. No Major Fire Equipment is available in the factory or is necessary to cover same, but by mutual arrangement, the Trailer Pump and crew of the Government Electrical Factory which is situated some 600 ft. south of the Tannery, would be called out to attend any incident occurring in the Tannery.

2. South of Tannery just outside main entrance is situated an ornamental well, about 12 ft. diameter and 2 ft. deep and containing about 1,000 gallons of water, I recommend that it be reconstructed to 12ft. diameter by 8 feet depth for use as a Static basin of approximately 5,600 gallons for Trailer Pump operations. An additional supply of water for fire-fighting is available on the east side of the Tannery and consists of an old well which is connected by means of a channel, to a culvert carrying sewerage from Bangalore City, although, ~~not~~ used for the processes in the Tannery, I would not advise its use for fire-fighting, unless in an extreme emergency. I understand that the ornamental tank mentioned above, contains sewerage from the Culvert. I recommend that if the tank is reconstructed, that only clean water be used.

3. The factory is not covered by minor fire equipment and the following necessary:-

Polishing Room
Factory Entrance
Stores Department

2 Buckets of Water
6 Buckets of water.
4 Buckets of water and 1 Bucket of sand near switchboard.

East of Raw Hide Department Battery of 6 Buckets of water.

East of Boot Factory 2 Batteries of 6 Buckets of water

The firm have two Stirrup Pumps to hand, I suggest that the 8 watchmen who operate 4 numbers on day shift and 4 numbers on night shift be properly instructed in Stirrup Pump drills as no Stirrup Pump Parties are trained in factory.

4. The firm are engaged in the Tanning of Chrome and Bark Hides and 70 per cent of their output is taken by the Government

5. Hydrant and Sprinkler System Nil

Combustible materials: 35 tons of Coal stacked on open ground outside Tannery compound.

Non-Fire resisting Buildings:- 35,000 sq.ft.

Buildings over 50 ft. high: Nil.
Fire Risk Negligible.

Sd/- J.R. Reid.
Superintending Fire Officer.

Dated, 18 th November, 1943

No. 543 DA, dated the 25th Nov., 1943.

countersigned

D.W. Gollan

25-11-43

Deputy Adviser. Factory A.R.P.

plus the town of Cuttack and those parts of Madras in a 25 mile radius of the coastal towns of Vizagapatam, Cocanada and Madras.

RED AREA No change of policy is proposed in the areas indicated above as still being subject to a serious threat of air raids from the east. This area now constitute the Red Area.

WHITE AREA. The whole of the rest of India becomes White and the distinction between Pink and White areas is withdrawn.

In the Red area A.R.P. measures will continue to be provided on the lines already agreed upon.

In the White Area, with the two exceptions noted below, all A.R.P. measures will be discontinued and the entire A.R.P. establishment paid and unpaid, be disbanded. It is considered that baffle walls may be demolished in cases where they cause inconvenience, slit trenches be filled in and above-ground shelters, wardens' posts and other structures demolished if there is any advantage in doing so. In view of the abnormal fire risks which exist in factories working at high pressure under war conditions it is felt to be inadvisable to completely disband the fire fighting services which have been provided as an A.R.P. measure. In particular trailer pumps, water supplies for these pumps and the personnel to operate them should be retained for the present. The details of the organization considered necessary are under consideration and a separate letter will issue shortly on this matter.

In Cochin Port, Bombay, Port Okha and Karachi installations for sounding sirens should not be dismantled for the present though even in these places it may be possible to free a number of telephones and telephone cable and other equipment of which there is an acute shortage.

Lighting restrictions may be dispensed with but, since it may be necessary to darken any parts of the coast at any time, the relaxation is made in the case of factories situated within 25 miles of the sea only on the understanding that full blackout can be restored at 48 hours' notice.

21

No. ARP I-7

SECRET.

GOVERNMENT OF INDIA, DEPARTMENT OF LABOUR

New Delhi, the 23rd November 1943.

From

The Honourable Mr. H. C. Prior, C.S.I., CIE, ICS,
Secretary to the Government of India.

To

All Provincial Governments.

Sir,

I am directed to refer to Defence Department (Civil Defence Branch) letter No. 96/43-ARP-II, dated the 11th November 1943, and to forward a note on the policy of the Government of India regarding A.R.P. measures in Govt. factories, together with a copy each of two letters which the Chief Adviser, Factory A.R.P., is issuing to factories situated in the "RED" and "WHITE" areas respectively, and for whose A.R.P. measures the Government of India is responsible. It will be seen that these letters suggest that the policy to be followed by all factories should (in effect), be the same as that to be followed by Government in its own factories. I am to request the Government of Madras/etc., to review its own policy regarding A.R.P. in factories in the light of the change in the war situation and the principles set out in the note.

This supersedes this Department letter/letters No. ARP I-7, dated the 11th March 1943 (*and No. ARP I- dated the 22nd May 1943

I have the honour to be, Sir,
Your most obedient servant,

G. PEACE,

for Secretary to the Govt. of India.

*To Madras, Bombay and Sind only.

NOTE

SECRET

Revision of Policy regarding Factory A.R.P.

In view of the developments that have occurred in the war situation during the last nine months, a modification of the policy regarding air raid precautions in factories is now possible and desirable. It may be assumed that the threat of air raids to India from the north-west has been removed and will not recur in the present war and that from the east any serious threat only exists for the Provinces of Assam, Bengal that part of Bihar east of the 86° of longitude, a coastal strip 25 miles wide in Orissa

plus

SECRET

No.F.ARP II-9(1).

GOVERNMENT OF INDIA, DEPARTMENT OF LABOUR

Office of the Chief Adviser, Factory A.R.P.
New Delhi, the 23rd November 1943.

From

GORDON PEACE, Esq., F.I.C., F.R.A.S., Chief Adviser,
Factory Air-Raid-Precautions.

To

All Factories in the *Red Area for whose A.R.P.
measures the Government of India is responsible.

Gentlemen,

With reference to this Department letter No.ARP I-7, dated the 11th March 1943, I have the honour to inform you that in view of the developments in the war situation during the last nine months the Government of India have again carefully reviewed the extent to which measures of air raid precautions are necessary in future in factories in your area. It has been decided that no alteration are necessary in the orders and recommendations so far issued to you and your A.R.P. measures should be

p.t.o

completed and improved where necessary in order to achieve the standards laid down by the Government of India.

Yours faithfully,

G. PEACE,
Chief Adviser. Factory Air Raid-
Precautions.

/copy/

h

NO. ARP II-9(1)/A
GOVERNMENT OF INDIA; DEPARTMENT OF LABOUR.

SECRET.

Office of the Chief Adviser, Factory A.R.P.

New Delhi, the 23rd November, 1943.

From

GORDON PEACE, Esq., I.C., F.R.A.S.,
Chief Adviser, Factory Air Raid Precautions.

To

All factories ~~xxxx~~ situated in the "White" area
for whose A.R.P. measures the Government of
India are responsible.

Gentlemen,

With reference to this Department's letter/
letters No. ARP II-7, dated the 11th March 1943, and
No. ARP II-9(1), dated the 14th June 1943, I have the
honour to inform you that the Government of India consider
that in view of the altered strategical ~~xxxx~~ situation
a modification of the A.R.P. policy as applied to factories
is now possible and desirable. They are advised that it
may be assumed that the threat of air raids to your area
has been removed and that your entire A.R.P. establishment
paid and unpaid, may be disbanded.

A paper A.R.P. scheme should be kept ready to put into
effect should intimation be received from the Government
of India, but

(i) baffle walls may be demolished particularly in
cases where they cause inconvenience;

(ii) slit trenches should be filled in;

(iii) above ground shelters, wardens' posts and other
structures should be demolished if there is any advantage
in doing so but if the structures can be put to any other
use or if there is no particular advantage in demolishing
them the dismantling should be postponed until after the
cessation of hostilities when not only will labour costs
be lower but finding work for labour may prove a pressing
problem;

(iv) lighting restrictions may be removed but if your
factory is situated within 25 miles of the coast it may be
necessary for you to restore a complete blackout at 48

48 hours' notice and efficient arrangements to ensure this must be made.

Static water supplies for fire fighting should not be demolished neither should the fire fighting organization be disbanded; at least for the present. It is felt that the added fire risk caused by the abnormal condition of work arising from the pressure of war production activities makes the retention of some at least of the fire fighting facilities very desirable. The details of the organization considered necessary are being considered and a separate letter will issue shortly covering this. In the meantime trailer pump equipment* and crews should be retained.

@/Installations for the sounding of sirens should not be dismantled though it may be possible to free a number of telephones and a quantity of telephone cable and other equipment of which there is an acute shortage.

is sent

Yours faithfully,

G. PEACE,
Chief Adviser, Factory A.R.P.

* According to new appreciation. (Heading not to be reproduced. Factories to be addressed by name)

% To factories which received letter No. ARP II-9(1), dated 14th June 1943.

@ To factories in Cochin, Bombay, Port Okha and Karachi only.

SUBJECT.....

A.R.P. in Factories

Section

File No.

Serial No.

Diary No. of letter replied to... *1642/W*

No. *Pol 2410*

To

General and Revenue Secretariat

()

the 194

The Secy to the Hon'ble the Resident.

Sir,

Date of issue... *19th May 1944*

"S"

Signed by.....

Mr. S. K. V.

With refce to the corce ending with your letter no ^x 7.3(18)-42/W B 3.1.44 on the above subject, I am directed to state that though the reduction in air raid risks makes the need for major fire equipment less imminent, it is desirable & necessary that the factories should provide themselves with the fire equipment, as even the ordinary fire risk is admitted high considering the combustible nature of the materials & the exten

List of enclosures.....

Copied by.....

Examined by.....

of non-fire resisting buildings
in the case of three of the mills.

It is accordingly proposed to
require the factories concerned
to provide themselves with the equipment
recommended. I am, therefore,
to request you to be so good as
to move the Defence Dept ^{ready} to assistance
in securing the equipment asked for.

I have etc.;

W 17/5/44
Chief Secy to Govt. L 17/5
JME
17/5/44.

Memo No 2679 d 19th May/44.

Copy L K B.D. of Fankar,

with refer to L. V. note no 28.12.44

W 17/5/44

L: L. V. for

17/5/44

✓ Copy to Dev Sect.

No.F.3(18)-42/W.

2805/W

From

The Secretary to the Hon'ble the Resident in Mysore.

To

The Chief Secretary to the Government of His Highness
the Maharaja of Mysore, Bangalore.

Dated Bangalore, the 27th May 1944.

A.R.P. IN FACTORIES.

K, I am directed to refer to your letter No.Pol.
2410/W, dated the 19th May 1944, and to request you kindly
to let me know which three factories require assistance
in obtaining fire equipment and whether any indent has
been placed for the equipment required by them. Details
of the equipment required by each factory may also kindly
be furnished.

I have the honour to be, Sir,
Your most obedient servant,

a.r. booke

19
MAP:

SECRETARY TO THE RESIDENT.

SUBJECT.....

A. R. P in factories

Section

File No.

Serial No.

Diary No. of letter replied to.. *2805/W*

General and Revenue Secretariat

()
the 194Date of issue.. *3rd June 46*Signed by.. *Mr. S. K. V.*

List of enclosures.....

Copied by.....

Examined by.....

No. *W 2850 (Enc 1 & overleaf)*

To

*The C. I. of
factories
Bangalore*

Sir,

I am directed to
invite reference to
this office memo No
W 2679 of 19-5-44
on the above subject
and to forward herewith
a copy of letter No
73(18)-42 JW of 27-54
from the Regy for
kindly furnishing
the particulars
asked for by the Regy

54

*I have etc
for chip...*

THE MYSORE SPINNING & MANUFACTURING CO., LTD.

N. SIRUR & CO. LTD.

MANAGING AGENTS

BOMBAY

TELEGRAMS: "CHAMUNDI"

BOMBAY.

TELEPHONE: 22947.

MILL AT BANGALORE (CITY).

TELEGRAMS: "CHAMUNDI"

BANGALORE.

Registered Office,

TEMPLE GATE BUILDING,

70, FORBES STREET FORT,

BOMBAY, 20th July, 1944.

In reply refer to

Dear Mr. Madhava Rau,

The Director of Industries and Chief Inspector of Factories in Bangalore has called upon our Mills to acquire Trailer Pumps and to put up Static Tanks as A.R.P. Measures. I enclose copies of the correspondence between our General Manager and the Chief Inspector of Factories.

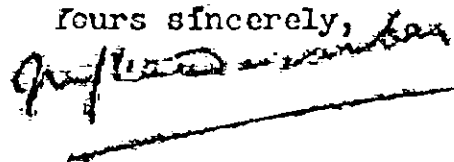
In November 1943 the Superintending Fire Officer, Madras Circle, inspected our Mills and made a report recommending the acquisition of a Trailer Pump and the construction of a Static Water Tank at each mill as A.R.P. measures. The Director & Chief Inspector of Factories, Bangalore, under his letter of the 9th February 1944 forwarded a copy of the above report to the Mills with a request that the recommendations made in the report may be carried out. In the meantime Govt. of India in their letter No. A.R.P. 11-9(1) of 23rd November 1943 issued from New Delhi, a copy of which is enclosed herewith, stated that in their opinion a threat of Air Raids in Mysore Area had been removed and that in view of the altered strategical situation, a modification of the A.R.P. policy as applied to Factories was possible and desirable. In that letter Govt. of India advised that the entire A.R.P. establishment may be disbanded and that baffle walls and other A.R.P. structures demolished. They only recommended the retention of Trailer Pump equipment and crews and static tanks. In these circumstances I do not see the point in our mills being compelled to put up such static tanks and acquire trailer pumps at this stage, particularly as the war situation since November last has definitely further improved as admitted on all hands. In Bombay at one time when the threat was imminent we were all compelled to put up static tanks and acquire trailer pumps but on the condition that the expenditure incurred for trailer pumps and construction of static tanks and other A.R.P. structures would be allowed as revenue expenditure for purposes of taxation. Since then, however, as a result of the change in the situation, Govt. have told us that it was no longer necessary for us to continue to maintain Fire Fighting Establishment which had been provided as A.R.P. measures which included maintenance of trailer pumps and static tanks.

I hope, therefore, your Government will be pleased not to insist on Factories now at this stage when the threat of Air Raids in Mysore has been removed, to acquire trailer pumps and to put up static tanks especially because all the available space in the Mills' compounds will be required to stack coal, wood fuel and other urgent requirements of the mills. If for any reason your Government still consider that the maintenance of trailer pumps and static tanks is necessary, I submit that expenditure incurred by the mills in that connection should be allowed to be treated as an item of Revenue Expenditure for purposes of taxation as done by the Government of India. I am sorry to give you this trouble, but I thought it was my duty to draw the attention of your Government to this matter.

With kind regards,

Encls:

Yours sincerely,



Pradhana Siromani
N. Madhava Rau, B.A., B.L., C.I.E.,
Dewan of Mysore,
Bangalore.

h

True copy

Bangalore, 24th Febry., 1944

From

The Mysore Spg. & Mfg., Co., Ltd.,
Bangalore.

To,

The Director and Chief Inspector of Factories in Mysore,
Bangalore.

Dear Sir,

Re: Continuance of Fire Fighting Services which
have been provided as an A.R.P. Measure.

Further to our letter of 14th inst. we understand that in the case of Bombay Mills the Government supplied the Trailer Pumps and Petrol for weekly practice. All expenditures incurred in connection with the construction of Static Water Tank and the purchase of Trailer Pumps were allowed by special Certificate of Government as items of expenditure for Taxation purpose. So we shall be glad to carry out your suggestion about Trailer Pump and Static Water Tank provided Government of Mysore

- 1) supply the Trailer Pumps,
- 2) they agree to supply the necessary Petrol for weekly practice, and
- 3) they will issue a certificate that the expenditure incurred for Trailer Pump and construction of Static Water Tank will be allowed as of revenue nature for purposes of Income-tax and Super-tax and Excess Profit tax, if any.

Yours faithfully,

Sd/-

General Manager.

True copy*

True copy

Bangalore, 1st July 1944.

From,

The Mysore Spg. & Mfg. Co., Ltd.,
Bangalore.

No.S.114

To,

The Director of Industries & Commerce in Mysore,
Bangalore.

Dear Sir,

Re:F.2-GI.1602/43-44 dated 28-6-1944.

With reference to your above reminder, we beg to draw your kind attention to our letter dated 24-2-1944, a copy of which is enclosed herewith for ready reference.

On hearing from you we shall write to you again in the matter.

Yours faithfully,
Sd/-
General Manager.

Encl: 1 copy of the letter.

True copy

True copy /

Government of Mysore
Department of Industries and Commerce.

Office of the Director and Chief
Inspector of Factories in Mysore,
Bangalore, dated 14th July 1944.

F2-G1.1602/43-44

To,
The General Manager,
Mysore Spinning & Manufacturing Co., Ltd., Bangalore.

Dear Sir,

Subject: The continuation of Fire fighting services
which have been provided as A.R.P. Measures -
Trailer Pumps and Personnel to operate them
should be retained for the present.

With reference to your letter No.S.114 dated 1-7-1944,
I write to state that the conditions stated by you are not agreeable
to me and I request you to kindly make your own arrangements to
maintain the above equipments as in the case of Messrs. The Bangalore
Woollen, Cotton and Silk Mills Co., Ltd., Bangalore City.

If the above equipment is not with you, please let me
know the details of your requirements so as to get one set for
you through the Residency.

An immediate reply is requested.

Yours faithfully,

Sd/-

For Director and Chief Inspector
of Factories.

True copy

True copy

July 15,

4

From,

The Mysore Spg. & Mfg. Co., Ltd.,
and Minerva Mills, Ltd.,
Bangalore.

To,

The Director and Chief Inspector of Factories in Mysore,
Bangalore.

Dear Sir,

Re: The continuation of fire fighting services which
have been provided as A.R.P. measures - Trailer
Pumps and personnel to operate them should be
retained for the present.

Referring to your letter of the 14th instant
on the above subject, to us and Messrs. Minerva Mills, Ltd.,
we beg to inform you that we have referred to our Head Office
at Bombay and shall write to you on hearing from them.

Yours faithfully,

Sd/-

General Manager.

True copy

RECEIVED BY THE GOVERNMENT OF INDIA
 No. ARP.11-9(1)/ARP.11-9(1) dated the 14th June 1943
 GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR

Office of the Chief Adviser, Factory A.R.P.

New Delhi, the 23rd November, 1943.

 GORDON PEACE, Esq., F.I.C., F.R.A.S.,
 Chief Adviser, Factory Air Raid Precautions Control

To
 Minerva Mills Ltd., Bangalore.

:V100 JUT

Gentlemen,

with reference to this Department letter/letters* No. ARP.1-7, dated the 11th March 1943 (and No. ARP 11-9(1), dated the 14th June 1943)* I have the honour to inform you that the Government of India consider that in view of the altered strategical situation a modification of the A. R. P. policy as applied to factories is now possible and desirable. They are advised that it may be assumed that the threat of air raids to your area has been removed and that your entire A.R.P. establishment, paid and unpaid, may be disbanded.

A paper A.R.P. scheme should be kept ready to put into effect should intimation be received from the Government of India, but

(i) baffle walls may be demolished particularly in cases where they cause inconvenience;

(ii) Slit trenches should be filled in;

(iii) above ground shelters, wardens posts and other structures should be demolished if there is any advantage in doing so but if the structures can be put to any other use or if there is no particular advantage in demolishing them the dismantling should be postponed until after the cessation of hostilities when not only will labour costs be lower but finding work for labour may prove a pressing problem;

(iv) lighting restrictions may be removed but if your factory is situated within 25 miles of the coast it may be necessary for you to restore a complete blackout at 48 hours' notice and efficient arrangements to ensure this must be made.

Static water supplies for fire fighting should not be demolished neither should the fire fighting organization be disbanded; at least for the present. It is felt that the added fire risk caused by the abnormal conditions of work arising from the pressure of war production activities makes the retention of some at least of the fire fighting facilities very desirable.

P.T.O.

The details of the organization considered necessary are being considered ~~unnecessary~~ and a separate letter issue shortly covering this ~~will~~ in the meantime trailer pump ~~element~~ and crews should be retained.

Yours truly, G. H. Edwards

G. PEACE.

Chief Adviser, Factory Air Raid Pre-
cautions.

* To factories which received letter No. TARPdII-2(1) dated 14-6-43.

() To factories in cochin, Bombay, Port Okha and Karachi Only.

TRUE COPY:

[illegible]

W. 1015

Ci q' Factories

ARL in Factories.

Sir,

In continuation of this
office letter No 2850/w 3
3rd Jan. 44 on the above
subject and with reference
to your letter No F.2.81

H 1602/40-44 & 14th Jan. 44
to a S.M. Mysore Dy. Insp.
Hs. Blom requesting him
to intimate the details of their
requirements. I am

directed to state that as many
of the above mentioned Govt
consider that you have not
insist on the mills acquiring
trailer pumps as pulling up
static lifts as ARL means
in view of the altered
situation.

that in view of the
current war situation
and the maintenance
of the ARL machines,
the State need not be
required to acquire the
trailer pumps as long as
the State tanks as
ARL machines

I have
1-11-44
2 Chingay, Mysore

W. 1015

15th November 4

Chief
/

B a n g a l o r e.

The Chief Inspector of Factories
in Mysore, B a n g a l o r e.

Sir,

A.R.P. in factories.

In continuation of this office letter No. 2070/W., dated 3rd June 1944 on the above subject and with reference to your letter No. F.2.G1-1602/43-44, dated 14th July 1944 to the General Manager, Mysore Spinning and Manufacturing Company Limited, Bangalore, requesting them to intimate the details of their requirements; I am directed to state that Government consider that, in view of the altered war situation and the suspension of the A.R.P. measures, the mills need not be required to acquire the trailer pumps and to put up static tanks as

A.R.P. measures.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

A handwritten signature, possibly 'S', is written over a diagonal line.

10: 1.2-8

Pol 1081 D. 20th Nov. 1944

The Day is a Horrible at present

ARP in Factories

Sir,

With reference to
Correspondence ending in a year

Letter M F 3(18)-42/w 2

K

27-11-44 on the above

subject I am directed

on further consideration to state that it is considered
that it is not allowed in war situation
this fact do not prevent
to require a factory
concerned to provide
itself with a
equipment recommended
by this office previously

I have

W.P.

In.
16/11

17/11/44
For this to you

No B1 1081. 20th November 1944.

B a n g a l o r e.

B a n g a l o r e.

A.R.P. in Factories.

With reference to the correspondence enclosing with your letter No. F.3(18)-467, dated 27th May 1944 on the above subject, I am directed to state that on further consideration in view of the altered war situation this Government do not propose to require the factories concerned to provide themselves with the equipment recommended by

1801 181 182

this office previously.

I have the honour to be,
Sir,
Your most obedient servant,

Chief Secretary to Government.

W1361
W1611 W/03 No.F.48-45/W

SECRET.

From - The Secretary to the Hon'ble the Resident in Mysore.
To - The Chief Secretary to the Government of H.H. the
Maharaja of Mysore, Bangalore.

Dated Bangalore, the 17th Jany. 1945.

REVISION OF POLICY REGARDING FACTORY A.R.P.

Sir,

I am directed to refer to the correspondence ending with your letter No.Pol.1081/W, dated the 30th November 1944, and to forward for information a copy of the letter from the Government of India, Department of Labour, to all Provincial Governments, No.ARPI-7, dated the 18th December 1944, with enclosures. Civil Defence Circular No.662/44, dated the 21st November 1944 was sent to you with endorsement from this Residency No.F.3(22)-42/W, dated the 16th December 1944.

I have the honour to be, Sir,
Your most obedient servant,

as b. sh

SECRETARY TO THE RESIDENT



GOVERNMENT OF INDIA, DEPARTMENT OF LABOUR. SECRET.

No.ARPI-7, Dated New Delhi, the 18th Decr.1944.

From - The Hon'ble Mr.H.C.Prior, C.S.I., C.I.E., I.C.S., Secretary to the Government of India.

To - All Provincial Governments.

Sir,

I am directed to refer to Defence Department (Civil Defence Branch) Circulars No.662/44 dated 21-11-44 and No.664/44 dated 30-11-44 (and letter No.78/139/41-ARP dated 8-12-44) and to forward a note on the policy of the Govt.of India regarding A.R.P. measures in Govt.factories, together with a copy of each of two letters which the Chief Adviser, Factory A.R.P., is issuing to factories for which A.R.P. measures the Govt.of India are responsible now added to the "White" area. These letters suggest that the policy to be followed by all factories should, in effect, be the same as that to be followed by Govt. in its own factories. I have to request the Govt.of Madras, etc., to review its own policy regarding A.R.P. in factories in the light of the change in the war situation and the principles set out in the note.

This supersedes this Department letter No.ARP-7 dated 23-11-43.

() to Bengal only.

I have, etc.,

Sd/- H.C.Prior,

Secretary to the Govt. of India.

SECRET.

.....
Revision of policy regarding Factory A.R.P.

In view of recent changes in the strategical situation, it is now possible to extend the area in which air raid precautions for factories can be substantially discontinued. It may be assumed that any threat of air raids to India only exists:

- (a) for the Province of Bengal as follows
 - (i) for the part lying east of the River Meghna, and the State of Tripura;
 - (ii) Dacca and the airfields of Tejgaon and Kurmitola, Narayanganj, and Bhairab Bazar on the West Bank on the River Meghna;
 - (iii) for Calcutta, within a radius of 40 miles from Howrah Bridge;
- (b) for the Province of Assam east of a line Gauhati-Shillong-Sylhet (which towns remain Red), produced north and south to the boundaries of Assam, and Manipur State;
- (c) for those parts of Madras Province within a radius of 25 miles of the coastal towns of Madras, Vizagapatam and Cocanada.

RED AREA. No change of policy is proposed in the threatened areas indicated above, which now constitute the "Red" area. The local Civil Defence Organization in Kharagpur, Bengal and in the surrounding villages is being retained for the present and in consequence the B.N.Railway workshops, Kharagpur, should be treated for the present as in the Red area.

The shortage of building materials due to military demands is however very great, and it is necessary to limit structural A.R.P. measures in future to the absolute essentials in cases where no alternative is possible, and in general to measures for protection of personnel rather than vital plant or stores. No general instruction is being sent in this sense to factories but each case of proposed future A.R.P. construction will be considered and decided on its merits by the Chief Adviser, Factory A.R.P.

WHITE AREA. The whole of the rest of India is now included in the "White" area, and A.R.P. measures in factories will be governed by the policy set out in the Chief Adviser, Factory A.R.P.'s letter No.ARP-II-9(1)/A dated 23rd November 1943, with two minor exceptions viz.-

- (1) arrangements to restore a complete black-out at 48 hours' notice can now be confined to factories lying within the 25 miles coastal belt of the Province of Bengal;
- (2) it is no longer necessary for factories in Cochin, Bombay, Port Okha and Karachi to maintain their installations for sounding sirens.

In view of the fire risk caused by abnormal conditions of work arising from the pressure of production, congestion of inflammable stores, employment of large numbers of untrained labour etc., it is necessary that factories in the White area should retain their fire fighting organisations and static water supplies for fire fighting. The importance of factories as national vital points makes it necessary that static water tanks should be kept full at all times. Wherever possible however, reductions in the scale of fire fighting organisations at individual factories will be permitted by the Chief Adviser, Factory A.R.P., in consideration of the reduced threat of air raids. In the meantime, trailer pump equipment and crews should be retained on the existing scale.

GOVERNMENT OF INDIA, DEPARTMENT OF LABOUR.

Office of the Chief Adviser, Factory A.R.P.

No.ARP II-9(1)/A. Dated New Delhi, the 18th December 1944.

From - G.Peace, Esquire, O.B.E., F.R.I.C., F.R.A.S.,
Chief Adviser, Factory A.R.P.

To - Factories now added to the**"White" area for whose A.R.P.
measures the Government of India are responsible.

Gentlemen,

With reference to the correspondence resting with this Office letter No.A.R.P.II-9(1) dated 23-11-43 regarding the extent to which A.R.P. measures should be carried out in the factories in your area, I have the honour to inform you that the Government of India consider that in view of the altered strategical situation a modification of the A.R.P. policy as applied to factories is now possible and desirable. They are advised that it may be assumed that the threat of air raids to your area has been removed and that your entire A.R.P. establishment, paid and unpaid, may be disbanded.

A paper A.R.P. scheme should be kept ready to put into effect should intimation received from the Government of India, but

- (i) baffle walls may be demolished particularly in cases where they cause inconvenience;
- (ii) slit trenches should be filled in;
- (iii) above ground shelters, wardens' posts and other structures should be demolished if there is any advantage in doing so but if the structures can be put to any other use or if there is no particular advantage in demolishing them the dismantling should be postponed until after the cessation of hostilities when not only will labour costs be lower but finding work for labour may prove a pressing problem;
- (iv) lighting restrictions may be removed. /If however your *factory is situated within 25 miles of the coast it may be necessary for you to restore a complete black-out at 48 hours' notice and efficient arrangements to ensure this must be done./

[- / To factories in Bengal only.

Static water supplies for fire fighting should be retained and kept filled and fire fighting organizations should not be disbanded. It is felt that the fire risk caused by abnormal conditions of work arising from the pressure of production, congestion of stores, the employment of large numbers of relatively untrained labour, etc., makes the retention of some at least of the fire fighting facilities necessary. This Office will examine proposals from factories for reductions in the scale of their fire fighting organizations and will convey approval to individual factories. In the meantime, trailer pump equipment and crews should be retained on the existing scale.

Yours faithfully,

Sd/- G. Peace,

** According to new appreciation. (Heading not to be reproduced. Factories to be addressed by name.)

CHIEF ADVISER, FACTORY A.R.P.

No.ARP II-9(1)/B.

SECRET.

GOVERNMENT OF INDIA, DEPARTMENT OF LABOUR.

Office of the Chief Adviser, Factory A.R.P.

New Delhi, the 18th December 1944.

From - G.Peace, Esq., OBE., FRIC., F.R.A.S., Chief Adviser, Factory A.R.P.

To - All Factories in Cochin, Bombay, Port Okha and Karachi for whose A.R.P. measures the Govt. of India are responsible.

Gentlemen,

With reference to this Office letter No.ARP II-9(1)/A dated 23rd November 1943, I have the honour to inform you that in view of the improved strategical situation it is no longer necessary for you to retain installations for the sounding of sirens at your factory.

The proposal to issue general instructions about the reductions which can be permitted in the fire fighting organizations of factories in your area has been dropped, and communications are being sent to individual factories after examination of the circumstances. Pending such instructions, trailer pump equipment and crews etc. should be retained on the existing scale, and static water supplies should be kept full at all times.

Yours faithfully,

Sd/- G. Peace,

CHIEF ADVISER, FACTORY A.R.P.

/COPY/ MAP:

SUBJECT

Revision of Policy Regarding Factory ARS

Diary No. of letter replied to.....

Section

war

File No.

103-43-

Serial No.

10

No.

W 1902-3 / Encls 4

To.

The J. G. P.

" C. I. of Factories.

General and Revenue Secretariat

()

the 194

Date of issue

14.2.45.

Sir,

Signed by

Mr. S. K. V. Iyer.

I am directed to forward for information a copy of the letter from the Govt of India, Dept of Labour, to all Provincial Govts. No. ARS I-7, dated 18.12.44, with enclosures, since received from the Resy. I am ^{also} to enclose herein a copy of the C. I. circular no. 662/44, dated 21st Nov '44 in the ~~matter~~ subject.

List of enclosures.....

I have etc

Copied by.....

Examined by.....

L-2
2 Chief Secy to Govt.
12/2

W 103-1913-71
28/1/43

SERVICE OF THE HON'BLE THE RESIDENT
IN MYSORE.

Dated Bangalore, the 8 June 1945

No.F.48-45/W. (Revenue)

A copy of the undermentioned
paper is forwarded to the

Chief Secretary to the Government
of H.H. the Maharaja of Mysore
Bangalore

for information, in continuation of
letter from this Residency
No.F.48-45/W, dated the 17th
January 1945. N

war
10/6/45

By order, etc.,

a.e. b. w. h.

SECRETARY TO THE RESIDENT.

- - - - -
Circular letter from the
Government of India, Department of
Labour, No.A.R.P.III/30, dated the
26th April 1945.

MAP:
136/1/13

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR.

OFFICE OF THE CHIEF ADVISER, FACTORY, A.R.P.

A.R.P.-III/30.

Dated, New Delhi, the 26th April 1945.

FROM

A. K. SEN, ESQUIRE, M.S.C.,

TO

Joint Chief Adviser, Factory, Air Raid Precautions,

All Factories in The White Area

Disposal of surplus A.R.P. equipment.

GENTLEMEN,

Requests have been received from various factories for disposal instructions for A.R.P. equipment purchased by factories in accordance with orders served on them under Rule 51-C of the Defence of India Rules, which is now surplus to their requirements owing to the removal of the threat of air raids. Though this equipment has been purchased by factories and belongs to them, the Government of India have borne a considerable proportion of the cost by allowing it to be deducted as A.R.P. expenditure when computing profits for taxation purposes. While they do not propose to interfere unnecessarily with such arrangements as factories may propose for the disposal of surplus equipment, they have a right to expect that such equipment should be disposed of in accordance with the national interest.

In disposing of A.R.P. equipment, factories should observe the following principles :—

1. *Fire equipment*.—Sufficient major and minor fire equipment should be retained for the protection of the factory against ordinary and special wartime risks; and before disposing of fire equipment, factories should obtain my approval for the scale of fire protection which should be retained for this purpose.

(a) *Section and Delivery Hose*.—Surplus hose should normally be treated as a reserve. It should be carefully stored and maintained in accordance with the directions given in my circular letter No. A.R.P.-III/1, dated the 22nd November 1944. It should not be sold without the approval of the Officer Commanding, Provincial or Municipal Fire Brigade (where such a Brigade exists), and should be offered in the first place to the Brigade.

(b) *Trailer pumps*.—Surplus trailer pumps should for the time being be laid up on chocks after thorough greasing and the deflation of tyres. Steps should be taken to prevent the deterioration of batteries. Disposal instructions will be issued from this office if occasion arises. Before trailer pumps are laid up in this way, the local Fire Brigade should be notified, and attention should be given to any observations which they may have to offer. Please note that these instructions do not apply to trailer pumps included in the scheme of fire protection for your factory. These pumps should be kept "on the run", ready for instant action as heretofore.

(c) *Accessories*.—Sufficient accessories for the trailer pumps should be retained with the pumps.

[P.T.O.]

2. *Telephone instruments, switchboards, field telephones, etc.*—Surplus equipment of this type should be offered in the first place to the local Post and Telegraph authorities and should not be sold without their permission. There is a great shortage of this equipment in the country.

3. *First Aid equipment.*—Factories have already been advised in my circular letter No. A.R.P.-II-9 (1), dated the 20th February 1945, that First Aid equipment should be retained as a provision against ordinary industrial accidents, etc., pending the issue of instructions under the Factories Act, 1934; and that no equipment of this type should be disposed of without my approval. This advice still stands.

4. *A.R.P. equipment containing rubber* (e.g., *stirrup pump hose, gum boots, etc.*)—Any serviceable gum boots which are surplus to requirements should be stored separately in accordance with my circular letter No. A.R.P.-III-5, dated the 6th October 1943. The sizes of the boots should be notified to this office, and arrangements will be made to transfer the boots if practicable and desirable.

Particulars and quantities of unserviceable stirrup pump hose, gum boots, etc., should be reported to this office as soon as possible.

5. All other A.R.P. equipment of whatever kind may be retained against the factories' own ordinary requirements or sold locally at their discretion. I am unable to assist factories to dispose of surplus equipment by transferring it to other areas. Factories must make their own arrangements. It must however be clearly understood that the proceeds of any sale of A.R.P. equipment the cost of which was originally allowed as revenue expenditure for purpose of Income-tax and Excess Profits-tax must be treated as income and will be liable to be taxed on the analogy of Section 10 (12) VII of the Act as if 100% depreciation has been allowed in the year of expenditure. This will be taken into account in certifying A.R.P. Expenditure for purposes of taxation.

Yours faithfully,

A. K. SEN,

Joint Chief Adviser, Factory, A.R.P.

Copy forwarded to the Departments and Offices, etc., concerned.

A. K. SEN,

Joint Chief Adviser, Factory, A.R.P.

SUBJECT.....

Diary No. of letter replied to.....

General and Revenue Secretariat

()
the 194

Date of issue.....

13/6/45

H

Signed by.....

S. K. V.

List of enclosures.....

Copied by.....

Examined by.....

12/6

Section *war*

File No. *103-43*

Serial No. *12*

No. *W2899-900* / *ep*

To.

Ci of Factories

Revision a Policy re: Factory A.R.L.

Sir,

In continuation a this office

Letter No 1902-3/w & 14th Feb-45

on a observation is subject

I am directed to refer him for your information a copy of Labour Dept circular letter

No ARS 111/30 dated 26th April 45

re: disposal of surplus A.R.L. equipment in factories, since

Verdicts from a Reg.

16 ch

12/6

For this day 6 for 2

GOVERNMENT OF INDIA

DEPARTMENT OF LABOUR.

OFFICE OF THE CHIEF ADVISER, FACTORY, A.R.P.,

No. A.R.P. 111/30.

Dated, New Delhi, the 26th April 1945.

From

A. K. Sen, Esquire, M.Sc.,
Joint Chief Adviser, Factory, Air Raid Precautions.

To

All Factories in the White Area.

Disposal of surplus A.R.P. equipment.

Gentlemen,

Requests have been received from various factories for disposal instructions for A.R.P. equipment purchased by factories in accordance with orders served on them under Rule 51-C of the Defence of India Rules, which is now surplus to their requirements owing to the removal of the threat of air raids. Though this equipment has been purchased by factories and belongs to them, the Government of India have borne a considerable proportion of the cost by allowing it to be deducted as A.R.P. expenditure when computing profits for taxation purposes. While they do not propose to interfere unnecessarily with such arrangements as factories may propose for the disposal of surplus equipment, they have a right to expect that such equipment should be disposed of in accordance with the national interest.

In disposing of A.R.P. equipment, factories should observe the following principles:-

1. Fire equipment - Sufficient major and minor fire equipment should be retained for the protection of the factory against ordinary and special wartime risks; and before disposing of the fire equipment, factories should obtain my approval for the scale of fire protection which should be retained for this purpose.

(a) Section and Delivery Hose - Surplus hose should normally be treated as a reserve. It should be carefully stored and maintained in accordance with the directions given in my circular

No. A.R.P.-III/1, dated the 22nd November 1944. It should not be sold without the approval of the Officer Commanding, Provincial or Municipal Fire Brigade (where such a Brigade exists), and should be offered in the first place to the Brigade.

(b) Trailer pumps - Surplus trailer pumps should for the time being, be laid up on chocks after thorough greasing and the deflation of tyres. Steps should be taken to prevent the deterioration of batteries. Disposal instructions will be issued from this office if occasion arises. Before trailer pumps are laid up in this way, the local Fire Brigade should be notified, and attention should be given to any observations which they may have to offer. Please note that these instructions do not apply to trailer pumps included in the scheme of fire protection for your factory. These pumps should be kept "on the run", ready for instant action as heretofore.

(c) Accessories - Sufficient accessories for the trailer pumps should be retained with the pumps.

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3.

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of the Act as if 100 per cent depreciation has been allowed in the year of expenditure. This will be taken into account in certifying A.R.P. Expenditure for purposes of taxation.

Yours faithfully,

A. K. Sen,

Joint Chief Adviser, Factory, A.R.P.,

Copy forwarded to the Departments and Offices, etc., concerned.

A. K. Sen,

Joint Chief Adviser, Factory A.R.P.

"Copy"

For Chief Secretary to Government.